	DECISTO	ATION	NIIMRED	83100-27 -	VOL	2
CPA	KEGIƏTK	AIIUN	INUMBER	03 IUU-Z1 -	- VUL	. Z

## Material Sent for Data Extraction

	R	leg. # <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>
Des	cription:	CSF Notification
K	Material(	(s) Sent to Data Extraction Contractors:
		New Stamped Label Dated
	Ø 1	Notification Dated FEB 0 3 2012
	K I	New CSF(s) Dated 1/4/12
		Other:
K	Decision	#: 460556
	Other Ac	tion/Comments:
well o jacket Servic availa	organized and t with the co ces Center (I able as an im	et and attached materials in the jacket. It must be d clipped together, NOT STAPLED. Then give the eversheet and materials to staff in the Information ISC) (Room S-4900). If a jacket is full or only hage, please file materials in a new jacket and bring it. For further information please call 703-605-0716.
Rev	iewer: _	Jessica Rogala
Pho	ne: <u>347</u> -	Division: RD/IRB
Date	e:	FEB 0 3 2012



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Frank E. Sobotka, Ph. D. ROTAM Agrochemical Company Limited C/O IPM Resources LLC 4032 Crockers Lake Blvd., Suite 818 Sarasota, FL 34238 FEB 0 3 2012

Subject:

Revised Basic Confidential Statement of Formula and Alternate CSF 1

Rotam Methomyl 29LV Insecticide EPA Registration No. 83100-27 Date Submitted: January 6, 2012

Dear Dr. Sobotka:

The Agency has reviewed your submission for revised Confidential Statement of Formulas, and the following comment applies:

The Confidential Statement of Formulas dated January 6, 2012 for the basic formulation and alternate CSF 1 are in compliance with PR Notice 98-10 and are acceptable.

The CSF's have been added to your file as part of the record and will supersede the previously submitted CSF's for the basic and alternate 1 formulations. If you have any questions, please contact Jessica Rogala at (703) 347-0263 or via email at <a href="mailto:rogala.jessica@epa.gov">rogala.jessica@epa.gov</a>.

Sincerely,

Jessica Rogala

Environmental Protection Specialist Insecticide-Rodenticide Branch Registration Division (7505P)



4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phane: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

January 06, 2012

#### **VIA UPS EXPRESS**

Hebert.John@epa.gov [REF. ☎ 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT:

Notification of Change of Name and Address of Producing Facility on the Confidential

Statement of Formula for Rotam Methomyl 29LV Insecticide 83100-27

#### Dear Mr Hebert:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to Change the Name and Address of the Producing Facility on the Basic and Alternate Confidential Statement of formula for the above subject product.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false stgatement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

The following documents are enclosed with this submission:

Agent

Transmittal Form (EPA Form 8570-1)

2 Copies of the Updated Basic and Alternate CSF's.

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact me at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D. Senior Partner

IPM Resources LLC

Please read instructions of	n reverse before comp	Form Ap	prove	MB No. 20	70-006	O. Approvel expires 2-28-
<b>SEPA</b>	United States Environmental Protecti Washington, DC 20		1	Registrat Amendm Other		OPP Identifier Number
	Applicati	on for Pesticide - Sec	tion	17000000		
1. Company/Product Num		2. EPA Product Mar			3. Pr	oposed Classification
	hemical Company Ltd / 83100-2	The state of the s				None Restricted
4. Company/Product (Nan Rotam Methomyl 29		PM# 7				]
5. Name and Address of	Applicant (Include ZIP Code)	6. Expedited Rev	veiw.	In accordan	ce with	FIFRA Section 3(c)(3)
ROTAM Agrochemical Co C/O IPM Resources LLC ( 4032 Crockers Lake Blvd., Sarasota, FL 34238	Agent)	(b)(i), my product to: EPA Reg. No				mposition and labeling
Check if t	his is a new address	Product Name				
		Section - II				
Notification - Explainment   Notification - Explanation: Use eddit	seponse to Agency letter dated	Agency let "Me Too" Other - Exp	ter dat Applic plain b	elow.		e Confidential Statement
1. Material This Product \	Vill Be Packaged In:	Section - III				
Child-Resistant Packaging Yes No	Unit Packaging Yes No	Water Soluble Packaging Yes No		2. Type of C	ontainer Metal Plastic Glass	
* Certification must be submitted	If "Yes" No. per Unit Packaging wgt. container	If "Yes" No. per Package wgt containe	ır		Paper Other (S	Specify)
3. Location of Net Conten		nteil Container , 2.5 gal, 15 gal, 55 gal, bulk	5. Lo	ocation of Labe	Direction	ons
6. Manner in Which Lebel	is Affixed to Product Litho	graph Othe	or			
		Section - IV				
1. Contact Point (Comple	te items directly below for identificati	on of individual to be contacted,	if nec	essary, to proc	ess this	application.)
Name Frank E. Sobotka, Pr	n.D.	Title Agent				e No. (include Area Code) 7-9501 ••
	Certific stements i have made on this form and any knowlingly false or misleading st le law.	all attachments thereto are tru				6. Date Application Received (Stamped)
2. Signature	Stolle	3. Title Agent				
4. Typed Name Frank E. Sobotka, Ph		5. Date January 06, 2	012			**.:

Frank E. Sobotka, Ph.D.



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Frank E. Sobotka, Ph. D. ROTAM Agrochemical Company Limited C/O IPM Resources LLC 4032 Crockers Lake Blvd., Suite 818 Sarasota, FL 34238

JAN 2 3 2012

Subject:

Revised Basic CSF dated and revised Alternate CSF 1

EPA Registration No. 83100-27 Date Submitted: December 22, 2011

Dear Dr. Sobotka:

The CSF's referred to above, submitted under FIFRA are acceptable and will supersede all previously approved basic & alternate CSF's. If you have any questions, please contact Jessica Rogala at (703) 347-0263 or via email at <a href="mailto:rogala.jessica@epa.gov">rogala.jessica@epa.gov</a>.

Sincerely,

Jessica Rogala

Environmental Protection Specialist Insecticide-Rodenticide Branch Registration Division (7505P)



4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

December 22, 2011

#### **VIA UPS EXPRESS**

Hebert.John@epa.gov [REF. **5** 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT:

Notification of Change of Name and Address of Producing Facility on the Confidential

Statement of Formula for Rotam Methomyl 29LV Insecticide 83100-27

#### Dear Mr Hebert:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to Change the Name and Address of the Producing Facility on the Basic and Alternate Confidential Statement of formula for the above subject product.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false stgatement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

The following documents are enclosed with this submission:

Transmittal Form (EPA Form 8570-1)

3 Copies of the Updated Basic and Alternate CSF's.

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact me at any time.

Sincerety yours,

Frank E. Sobotka, Ph.D. Age

Senior Partner

**IPM Resources LLC** 

Please read instructions on	Environmenta	United States		Form Ap	proved	Registra Amendr Other	tion	O. Approval expires 2-28-9 OPP Identifier Number
		Application	on for Pest	icide - Sec	tion	M		
Company/Product Number     Rotam Agroche	r mical Company L	td / 83100-2		PA Product Mai nn Hebert	nager			oposed Classification
4. Company/Product (Name) Rotam Methomyl 29LV			PM	7				,
5. Name and Address of App ROTAM Agrochemical Comp C/O IPM Resources LLC (Ag 4032 Crockers Lake Blvd., So Sarasota, FL 34238	any Limited ent)	code)	(b)(i to: EP		is sim	ilar or ident	cal in co	FIFRA Section 3(c)(3) mposition and labeling
			Section	- 11				
Amendment - Explain  Resubmission in resp  Notification - Explain  Explanation: Use addition  Submission of Notification of Formula for Rotam Met  Statement of Certification	onse to Agency lette below. nal page(s) if necessa to change the nam thornyl 29LV Insectio	ery. (For sections and address cide (83100-2)	s of the produci 7). This Notific	Agency let "Me Too" Other - Exp II.) Ing facility listed ation is consist	Application be	e Basic and	Alternate	
			Section	- 111				
1. Material This Product Will	Be Packaged In:							
Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt	No. per	Water Solub Yes No If "Yes" Package wg	No. per	ər	2. Type of	Metal Plastic Glass Paper Other (S	
3. Location of Net Contents	Information ontainer		tail Container , 2.5 gal, 15 gal	, 55 gal, bulk	5. Lo	cation of Leb	el Directio	ns
6. Manner in Which Label is	Affixed to Product	Lithog Paper Stenc	graph glued iiled	Othe	or			
			Section	- IV				
1. Contact Point (Complete	items directly below	for identification	on of individual t	o be contacted,	, if nec	essary, to pro	cess this	application.)
Name Frank E. Sobotka, Ph.D	).		Title Agent					No. (lactude Area Code) 7-9501
I certify that the state I acknowledge that an both under applicable  2. Signature	y knowlingly false or	r misleading sta	all attachments					6. Qate Application Received (Stamped)

Agent

5. Date

4. Typed Name

Frank E. Sobotka, Ph.D.

December 22, 2011

## Material to be added to an e-Jacket/Jacket

escript	ion:	d chomigation supplementals (onions)  no, sweet corn). also added to main late
-	Materia	al(s) Sent to Data Extraction Contractors
	A	Stamped Label Dated
		Notification Dated
		New CSF(s) Dated
		Other:
<b>-</b>	Other A	Action/Comments:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

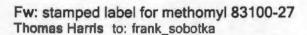
Reviewer: Tom Harris

Phone: 308-9423

Division: RD

Date: ///23/1/





11/23/2011 02:49 PM

forgot to state: Unless you specifically request a paper copy, this email will constitute the official transmission of this material.

Tom Harris

EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423 fax: (703) 308-0029 harris.thomas@epa.gov

visit http://www.epa.gov/pesticides

---- Forwarded by Thomas Harris/DC/USEPA/US on 11/23/2011 02:49 PM ----

From:

Thomas Harris/DC/USEPA/US

\*Personal privacy information\*

To: Date:

11/23/2011 02:40 PM

Subject:

stamped label for methomyl 83100-27

Dr. Sobotka,

Attached please find the stamped accepted label for your amendment to add chemigation supplementals to 83100-27. Both the main label and the individual supplemental labels are stamped accepted. Don't forget to add the actual expiration date when printing the supplemental labels. Please note that I renumbered the pages on each supplemental labeling starting over at page 1 each time.

Our policy on handling supplementals is still evolving. Thank you for your help in revising the main label to add the directions from the temporary supplementals. You did an excellent job.



083100-00027.20111123.stamped labels.amd.a.pdf

Tom Harris EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423 fax: (703) 308-0029

harris.thomas@epa.gov

visit http://www.epa.gov/pesticides



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

11/23/2011

Rotam Agrochemical Company Limited c/o Frank E. Sobotka IPM Resources LLC (agent) 4032 Crockers Lake Blvd., Suite 818 Sarasota, FL 34238

re:

Rotam Methomyl 29LV Insecticide, EPA Reg. #83100-27

label amendment submitted 5/2/2011, revised 8/9/2011, 11/3/2011, 11/4/2011, 11/15/2011

(D# 448694) adding three supplement labels

accepted (11/15/2011 version)

Dear Dr. Sobotka:

The revised labeling reference to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is ACCEPTABLE. This amendment adds three supplemental labels already approved for this active ingredient. In addition, the directions in the supplemental labels for chemigation in certain states on onions, beans, peas, and sweet corn have been incorporated into the main label.

Both the main label incorporating the new uses and the individual supplemental labels for each new use are stamped "accepted". The individual supplemental labels will expire 3 years from the date of this letter.

Submit one copy of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of the label stamped "accepted" is enclosed for your records. If you have any questions please contact Tom Harris at (703) 308-9423 or <a href="mailto:harris.thomas@epa.gov">harris.thomas@epa.gov</a>

Sincerely yours,

John D. Hebert

**Product Manager** 

Insecticide Rodenticide Branch Registration Division (7505C)

Hebert.John@epa.gov

(703) 308-6249

enclosures (4)

### RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP

1A INSECTICIDE

## Rotam Methomyl 29LV Insecticide

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient

**Bv Weight** 

29%

Methomyl

(S-methyl-N-[(methylcarbamoyl)

oxylthioacetimidate)

Other Ingredients 71%

TOTAL 100%

Contains Methonol

ACCEPTED NOV 2 3 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100-27

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

#### KEEP OUT OF REACH OF CHILDREN DANGER POISON



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements on inside booklet and back panel of container and Directions for Use on inside booklet.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826

**Net Contents** Gallons TBA

#### RESTRICTED USE PESTICIDE

**Due to high Acute Toxicity to Humans** 

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP

1A

INSECTICIDE

## Rotam Methomyl 29LV Insecticide

## KEEP OUT OF REACH OF CHILDREN DANGER POISON



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	By Weight
Methomyl	
(S-methyl-N-[(methylcarbamoyl)	
oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%
Contains Methanol	

#### [Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826 Net Contents Gallons TBA

Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

## FIRST AID (N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE -- SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

**POISONING SYMPTOMS** — Methornyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

#### NOTE TO PHYSICIAN

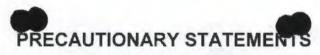
Probable mucosal damage may contraindicate the use of gastric lavage.

**TREATMENT** — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV INSECTICIDE alone. However, for exposure to combinations of ROTAM METHOMY L29LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.



HAZARDS TO HUMANS AND DOMESTIC ANIMALS

# KEEP OUT OF REACH OF CHILDREN DANGER POISON



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective evewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter
  approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a
  canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G),
  or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister
  with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROL STATEMENTS**

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

## USER SAFETY RECOMMENDATIONS USERS SHOULD:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

#### PHYSICAL AND CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

### **Table of Contents**

Page

PRECAUTIONARY STATEMENTS DIRECTIONS FOR USE

Resistance Management

Integrated Pest Management

Scouting

Beneficial Anthropods

Spray Preparation

Application

Spray Tank Cleanout

Chemigation

Overhead Sprinkler

Drip

Additional Chemigation Directions

Spray Drift Management

Crop Rate Tables

STORAGE AND DISPOSAL

NOTICE OF WARRANTY



It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls

Chemical-resistant gloves, such as barrier laminate or butyl rubber. Shoes plus socks.

Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products.

ROTAM METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV INSECTICIDE is mixed with water for application.

Chemigation: Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Pilots must not assist in the mixing and loading operations.

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer

zone to 450 feet from the above aquatic areas when ultra low volume application is made.

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhead sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

#### RESISTANCE MANAGEMENT

For resistance management, ROTAM METHOMYL 29LV INSECTICIDE is a group 1A insecticide. Repeated and exclusive use of ROTAM METHOMYL 29LV INSECTICIDE or other group 1A insecticides may lead to the build-up of resistant strains of insects in some crops. Not all members of this group have been shown to be cross-resistant. Different resistance mechanisms that are not linked to target site of action, such as enhanced metabolism, are common for this group of chemicals. Alternation of compounds from different sub-groups within this group may be an acceptable part of an integrated pest management program.

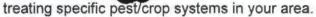
Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.

#### INTEGRATED PEST MANAGEMENT

This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for







#### SCOUTING

Monitor insect populations to determine whether or not there is a need for application of ROTAM METHOMYL 29LV INSECTICIDE based on locally determined economic thresholds. More than one treatment of ROTAM METHOMYL 29LV INSECTICIDE may be required to control a population of pests.

#### BENEFICIAL ARTHROPODS

ROTAM METHOMYL 29LV INSECTICIDE at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

#### SPRAY PREPARATION

Spray equipment must be clean and free of previous pesticide deposits before applying ROTAM METHOMYL 29LV INSECTICIDE. Fill spray tank 1/4 to 1/2 full of water. Add ROTAM METHOMYL 29LV INSECTICIDE directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

Compatibility - Since formulations may be changed and new ones introduced, in this situation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use ROTAM METHOMYL 29LV INSECTICIDE with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenyltin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mix Sequence – Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

- Water soluble bags.
- 2. Water dispersible granules.
- 3. Wettable powders.
- 4. Water based suspension concentrates.
- ROTAM METHOMYL 29LV INSECTICIDE and other water soluble concentrates.
- 6. Oil based suspension concentrates.
- 7. Emulsifiable concentrates.
- 8. Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow local practice and manufacturer's recommendation.

#### **APPLICATION**

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.





Follow-up treatments of ROTAM METHOMYL 29LV INSECTICIDE should be applied, as needed, to keep pest populations within threshold limits. On most crops, ROTAM METHOMYL 29LV INSECTICIDE should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since ROTAM METHOMYL 29LV INSECTICIDE is a fast acting contact insecticide, best results follow direct spraying of the target insect.

For aerial, use a minimum of 2 gals, per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.

ROTAM METHOMYL 29LV INSECTICIDE is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton\* and soybeans\* and 1 gpa for the crops listed below providing the following conditions are met:

- -equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such
- that the spray is delivered to the target area,
- -local regulations do not prohibit low-volume aerial sprays,
- -use rates are applied as directed on the package label or supplemental labeling for the following crops:

Peas (succulent) Alfalfa Celery Anise Collards Peppermint Asparagus Corn Peppers Cotton Potato Barley Beans Cucumber Rye Broccoli Lettuce Soybean Brussels sprouts Melons Spinach Cabbage Mint Sugar beet Carrot Oats Summer Squash Cauliflower Peanuts Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

#### SPRAY TANK CLEANOUT

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

<sup>\*</sup> Not registered for aerial application in a diluted volume of less than 1 gal in CA.

#### CHEMIGATION

#### **Overhead Sprinkler Chemigation**

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on Alfalfa, Barley, Dry Beans, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Succulent Beans, Succulent Peas, Sugar Beets, Sweet Corn, and Wheat Using Overhead Sprinkler Chemigation

Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of ROTAM METHOMYL 29LV INSECTICIDE as high as possible in the application. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

ROTAM METHOMYL 29LV INSECTICIDE is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of ROTAM METHOMYL 29LV INSECTICIDE should take place when the insects are active and most likely to come into direct contact with the application.

#### Types of Overhead Sprinkler Irrigation Systems

ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this main product label.

#### Directions for Overhead Sprinkler Chemigation

Preparation: A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

Injection Into Overnead Sprinkler Chemigation System Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Operation: Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

#### **Drip Chemigation**

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on green and dry bulb onions Using Drip Chemigation

Drip chemigation is allowed in green and dry bulb onions. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this product label.

#### Types of Drip Irrigation Systems

The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this main product label.

### Directions for Dr. Chemigation



#### **Drip Guidance:**

- Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
- Optimum emitter spacing is 6 inches or less. The maximum emitter spacing
  must not exceed 12 inches. Emitters must be free of debris and deliver
  consistent amounts of water. Best results are seen when the same amount
  of ROTAM METHOMYL 29LV INSECTICIDE comes out of each emitter.
- Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
- 4. The minimum injection time that will result in uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
- 5. When the drip tape is located between two single or double rows of onions, begin injection of ROTAM METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the ROTAM METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer row and not left in the area around the emitter.
- 6. Applications should be made before pests reach thresholds.
- 7. Drip chemigation works best when fields are relatively flat.
- The tape flow rate should be matched to the soil type, crop and climate. Too
  much flow can result in puddling and excessive time at soil saturation. Consult
  the tape manufacturer for more information.

Preparation: A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection Into Drip Chemigation Systems: Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing ROTAM METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

**Operation:** Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. ROTAM METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

#### Additional Chemigation Directions (both overhead and drip)

#### **Uniform Water Distribution**

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

#### **Equipment Calibration**

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

#### **Monitoring of Chemigation Applications**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

#### Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- The system must contain a functional check valve, vacuus relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background.

At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

#### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

## AERIAL DRIFT REDUCTION ADVISORY INFORMATION Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See **Wind, Temperature and Humidity,** and **Temperature Inversions** sections of this label.

#### Controlling Droplet Size - General Techniques

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure Use the lower spray pressures recommended for the nozzle.
   Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- Nozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

#### Controlling Droplet Size - Aircraft

- Number of Nozzles Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so that the spray is released parallel
  to the airstream produces larger droplets than other orientations and is the

recommended practice. Significant deflection from horizantal will reduce droplet size and increase drift potential.

- Nozzle Type Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types and the lowest drift.
- Boom Length For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- Application Height Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- Swath Adjustment When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of the fields, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

#### **BOOM HEIGHT**

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### WIND

Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential. AVOID GUSTY OR WINDLESS CONDITIONS.

**Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

#### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### **TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### **SENSITIVE AREAS**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

#### AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

**Note:** Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

#### AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS

Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift.

Adjust deflectors and aiming devices so that spray is only directed into the canopy.

Block off upward pointed nozzles when there is no overhanging canopy.

Use only enough air volume to penetrate the canopy and provide good coverage.

Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

### **CROP RATE TABLE**

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI		
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1 1/2 – 3	7 *	48 hrs		
	Alfalfa Weevil Larvae	3				
	Variegated Cutworm 3/4 - 3					
	Do not apply to dormant or semi-dorn or lower.  Do not apply more than 12 pints of Racre per crop.  Do not make more than 10 application Chemigation: ROTAM METHOMYL: overhead sprinkler chemigation. For ROTAM METHOMYL 29LV INSECT acre. See CHEMIGATION section for *Do not apply within 7 days of cutting	cotam METHOM' ons per crop. 29LV INSECTICID best results, use t ICIDE. Apply in 0. r more information	YL 29LV INSECTICIDE per DE may be applied by the highest listed rate of 1 to 0.2 inches of water per 1.			
	Cabbage Looper	3	7	48 hrs		
Anise (Fennel)	Beet Armyworm	1 1/2 - 3				
	Beet Armyworm 1 1/2 - 3  Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.					

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Crops	REI
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Green Fruitworm Tarnished Plant Bug	1 1/2 - 3 *	14	72 hrs
	Codling Moth (10-12 day spray intervals)			
	Leafrollers 3 * (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm			
	Do not use on Early Macintosh & V Do not apply more than 15 pints of acre per crop. Do not make more than 5 applicati	ROTAM METHOMYL		1
	treatments is 7 days.		interval between	
Asparagus		of water per acre.	interval between	48 hrs
Asparagus	treatments is 7 days.  * Apply in a minimum of 50 gallons  Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm	of water per acre.	interval between	48 hrs
Asparagus	treatments is 7 days.  * Apply in a minimum of 50 gallons  Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	of water per acre.  1 1/2 - 3  1 1/2  ROTAM METHOMYL:	1	48 hrs
	treatments is 7 days.  * Apply in a minimum of 50 gallons  Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm  Variegated Cutworm  Do not apply more than 15 pints of acre per crop.	of water per acre.  1 1/2 - 3  1 1/2  ROTAM METHOMYL:	1	48 hrs
Asparagus	treatments is 7 days.  * Apply in a minimum of 50 gallons  Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm  Variegated Cutworm  Do not apply more than 15 pints of acre per crop. Do not make more than 8 applicati	1 1/2 - 3  ROTAM METHOMYL 2  ROTAM METHOMYL 2	1 29LV INSECTICIDE per	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Barley	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of Racre per crop. Do not make more than 4 application Chemigation: ROTAM METHOMYI overhead sprinkler chemigation. For ROTAM METHOMYL 29LV INSECT acre. See CHEMIGATION section for the second section of the section of t	ons per crop.  29LV INSECTICIE  best results, use to  TICIDE. Apply in 0.7  or more information  OMYL 29LV INSEC  eggs when applied  espond with the apply  ve maximum ovicided in California.  ust be actively grows  such as, extreme te	DE may be applied by he highest listed rate of 1 to 0.2 inches of water per in.  ETICIDE can provide contact according to label directions, hearance of newly laid eggs or al effect. Use on this pest wing and not under stress from emperatures or drought).	
Beans (Succulent) Including:	(<10 adults per stem).  Leafhopper Mexican Bean Beetle	3/4 – 3	Succulent Beans - 3/4 - 1 1/2 pts 1, over 1 1/2 pts 3;	48 hrs
Kidney Lima Muna	Fall Armyworm Variegated Cutworm <sup>(**)</sup>	1 1/2	3 - Vines	
Mung Navy Pinto Snap Wax Broad Fava Asparagus Blackeyed peas Cowpeas Chick peas Garbanzo beans Sweet lupine White sweet lupine White lupine Grain lupine	Beet Armyworm <sup>(**)</sup> Corn Earworm Saltmarsh Caterpillar <sup>(**)</sup> Yellowstriped Armyworm <sup>(**)</sup> Western Yellowstriped Armyworm <sup>(*</sup> Lygus Bugs Thrips Aphids <sup>(**)</sup> Loopers* <sup>(**)</sup>	1 1/2 - 3	7 - Hay	
	European Corn Borer (Ovicide & Larvicide) Initiate when moth flights first appear and-continue preventive treatments at 3-4 day intervals			
	To control eggs and larvae			

Do not apply more than 15 pints of ROTAM METHON. 29LV INSECTICIDE per acre per crop.

Do not make more than 10 applications per crop.

\* Do not use for Loopers in AL & GA.

(\*\*)Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler irrigation in ID, MT, NV, OR, UT, & WA at the rate of 3 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to succulent beans.

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI	
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs	
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE/acre /crop.  Do not make more than 10 applications per crop.  Do not use for Loopers in AL & GA.  *Do not apply within 14 days of cutting.  (***)Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler irrigation in ID, MT, NV, OR, UT, & WA at the rate of 3 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to dry beans.				
Beets (Table)	Imported Cabbageworm	3/4 – 3	0 - roots	48 hrs	
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2 - 3	10 -tops		
	Cucumber Beetle Variegated Cutworm	1 1/2			
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop.				
Bermudagrass pasture	Fall Armyworm Armyworm Striped Grass Looper	3/4 - 3	7 - Forage * 3 - Dehydrated Hay **	48 hrs	
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.  * Do not apply within 7 days of feeding forage or allowing livestock to graze.  ** Do not apply within 3 days of cutting for hay.				
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1 1/2		48 hrs	
	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 – 3			
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3			
	Blueberry Maggot	3/4-1 1/2			

	Do not apply during bloom. Do not apply more than 12 p acre per crop. Do not make more than 4 ap * For ground use only.		YL 29LV INSECTICIDE per	
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**		
	Do not apply more than 21 p acre per crop. Do not make more than 10 a treatments is 2 days. ** Add a wetting agent to imp	pplications per crop; minir		

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI	
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs	
	Variegated Cutworm	1 1/2 **			
		applications per crop; min	IYL 29LV INSECTICIDE per imum interval between		
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	. 1	48 hrs	
	Imported Cabbageworm	3/4 - 3 **			
	Variegated Cutworm	1 1/2 **			
Carrot	days.  * Do not use for Loopers in  ** Add a wetting agent to in  Beet Armyworm		1	48 hrs	
	Armyworms Aster Leafhopper				
	Variegated Cutworm 3/4 – 1 1/2  Do not apply more than 21 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.				
Cauliflower	Imported Cabbageworm	3/4 – 3 **	3	48 hrs	
	Loopers Diamondback Moth	1 1/2 - 3 **			
	Variegated Cutworm	1 1/2 **			
	Do not apply more than 24 acre per crop. Do not make more than 10 treatments is 2 days.  ** Add a wetting agent to in	applications per crop; mini	IYL 29LV INSECTICIDE per imum interval between		
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hrs	
	Loopers	3			
	Variegated Cutworm	1 1/2			
	Armyworms	3/4 - 3		1	
	Do not apply more than 24 acre per crop.  Do not make more than 10		IYL 29LV INSECTICIDE per		

Crops	Insects	Rate ROTAM METHOMYL. 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hrs
	Do not apply more than 6 pint acre per crop.	Do not make more than 2 applications per crop.		
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hrs
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  * Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
Collards (Fresh market	Diamondback Moth Variegated Cutworm	1 1/2	10	48 hrs
only)	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3	i.	
	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10" tall. Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. * Do not use for Loopers in AL & GA.			
Corn (Field, Popcorn & Seed)	Earworm – (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Stover*	48 hrs
	Variegated Cutworm, 1 1/2 Beet Armyworm			
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  *Corn forage is green actively growing plants that are harvested with the ears intact. The plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
	EarwormWhorl as needed	1-11/2	0 -Ears	48 hrs
Corn (Sweet)	Fall Armyworm* Armyworm* Earworm*, (Ovicide/Larvicide) European Corn Borer -Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids*	3/4 – 1 1/2	3 - Forage 21 - Stover	
	Variegated Cutworm Beet Armyworm*	1 1/2		
	Treat a small area to determine or Do not apply more than 21 pints of acre per crop.  Do not make more than 28 applications treatments is 1 day.  *Chemigation: ROTAM METHOM overhead sprinkler in CO & NM at in 0.1 to 0.2 inches of water per acre.	f ROTAM METHOR ations per crop; mir IYL 29LV INSECTION the rate of 1 1/2 pi	MYL 29LV INSECTICIDE per nimum interval between CIDE may be applied via nts of product per acre. Apply	
	performance. Make sequential appopulations are brought below threa.i.) ROTAM METHOMYL 29LV IN last application of ROTAM METHO 3 days for forage, or 21 days for sequences.	plications at 1 day eshold. Do not app NSECTICIDE per c DMYL 29LV INSEC	intervals or until insect bly more than 21 pints (6.3 lbs rop to sweet corn. Make the TICIDE at least 0 days for ears,	
Cotton – All US	performance. Make sequential appropriations are brought below three a.i.) ROTAM METHOMYL 29LV IN last application of ROTAM METHO	plications at 1 day eshold. Do not app NSECTICIDE per c DMYL 29LV INSEC	intervals or until insect bly more than 21 pints (6.3 lbs rop to sweet corn. Make the TICIDE at least 0 days for ears,	72 hrs
Cotton – All US	performance. Make sequential appopulations are brought below threa.i.) ROTAM METHOMYL 29LV IN last application of ROTAM METHO 3 days for forage, or 21 days for some control of the significant numbers of eggs are present Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.)  Lygus Bugs/Plant Bugs  (adults and nymphs) Start treatment on low level	plications at 1 day eshold. Do not app NSECTICIDE per co DMYL 29LV INSECT tover before harves  2/5 - 3/4 (see Insect Predator Section)	intervals or until insect bly more than 21 pints (6.3 lbs rop to sweet corn. Make the TICIDE at least 0 days for ears, st.	72 hrs
Cotton – All US	performance. Make sequential appopulations are brought below threa.i.) ROTAM METHOMYL 29LV IN last application of ROTAM METHO 3 days for forage, or 21 days for some control of the sequence o	plications at 1 day eshold. Do not app NSECTICIDE per co DMYL 29LV INSEC tover before harves 2/5 - 3/4 (see Insect Predator	intervals or until insect bly more than 21 pints (6.3 lbs rop to sweet corn. Make the TICIDE at least 0 days for ears, st.	72 hrs

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
only E	(Early Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/PlantBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	1 1/2		
	(Late Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1 1/2 – 2 1/4		
Texas	Cotton Aphid	3/4 – 2		
West of Rockies only	Larvicide for worms: Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 – 2 1/4		
	Cotton Leafperforator	1 – 2 1/4		
	For applications West of the Roo desired boll load set on plants.  For all applications made to component apply more than 6 pints of acre per crop.  Do not make more than 8 application bo not graze or feed.  Use may redden cotton. If excess	otton in the United S of ROTAM METHOMY ations per crop.	States: YL 29LV INSECTICIDE per	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. — 1 Over 1 1/2 pt 3	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pint acre per crop.  Do not make more than 12 app		YL 29LV INSECTICIDE per	
Eggplant	Green Peach Aphid	3/4 – 3	5	48 hrs
Eggplant	Tomato Pinworm (Ground Application Only) Beet Armyworm Corn Earworm	1 1/2 - 3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.			
	Beet Armyworm	1 1/2 - 3	10	48 hrs
Endive, Escarole	Do not apply more than 15 pint acre per crop.  Do not make more than 8 appli		YL 29LV INSECTICIDE per	
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	acre per crop.  Do not make more than 6 appli	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per		
Grapefruit CA, AZ & HI only	Thrips Fruitree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints acre per crop. Do not make more than 4 appli		L 29LV INSECTICIDE per	
Horseradish (Ground	Aphids Thrips	1 1/2	65	48 hrs
application Only)	Do not apply more than 6 pints acre per crop. Do not make more than 4 appli		L 29LV INSECTICIDE per	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Leafy Green Vegetables: Beet (tops) Dandelions, Kale,	Beet Armyworm Cabbage Looper* Diamondback Moth Imported Cabbageworm	1 1/2 - 3	10	48 hrs
Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Do not apply more than 12 pin acre per crop. Do not make more than 8 app * Do not use for Cabbage Loc	olications per crop.	MYL 29LV INSECTICIDE per	
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pint acre per crop.  Do not make more than 4 app		YL 29LV INSECTICIDE per	
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 2 applications per crop.			
Lettuce (Head and Leaf varieties)	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt 7 over 1 1/2 pts 10	48 hrs
	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1 1/2 - 3		
	Variegated Cutworm	1 1/2		
	Lettuce (head varieties) Do not apply more than 24 pin acre per crop. Do not make more than 15 aptreatments is 2 days. Lettuce (leaf varieties) Do not apply more than 12 pin acre per crop. Do not make more than 8 apptreatments is 2 days.	oplications per crop; min	imum interval between	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Melons Including: Canteloupe Casaba Santa Claus melon Crenshaw melon Honeydew melon Honey balls Persian melon Golden Pershaw melon	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pts 1 day over 1 1/2 pts 3 days	48 hrs
Mango melon Pineapple melon	Variegated Cutworm	1 1/2		
Snake melon Watermelon	Do not apply more than 18 pints acre per crop.  Do not make more than 12 applic		MYL 29LV INSECTICIDE per	
Mint (Peppermint,	Variegated Cutworm Alfalfa Looper	3	14	48 hrs
Spearmint)	Flea Beetles 2 1/4 - 3  Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.			
Maria	Thrips	1 1/2 - 3	1	72 hrs
Nectarine CA & AZ only	Do not apply more than 9 pints of per crop.  Do not make more than 3 applications are seen as a police of the control of the c		IYL 29LV INSECTICIDE per acre	
Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of acre per crop.  Do not make more than 4 application: ROTAM METHOM overhead sprinkler chemigation.  ROTAM METHOMYL 29LV INSE acre. See CHEMIGATION section.  *Cereal leaf beetle: ROTAM METHOMICIAN ovicidal effect on cereal leaf beet application should be timed to come anticipation of egg hatch to act stage (egg) is not currently regist.  **Aphids: For aphid control, crop adverse environmental conditions applications on Russian wheat a (<10 adults per stem).	ations per crop. YL 29LV INSECTIC For best results, use ECTICIDE. Apply in the formore information THOMYL 29LV INSECTICIDE applies THOMYL 29LV INSECTICE THOMYL 29LV I	IDE may be applied by the highest listed rate of 0.1 to 0.2 inches of water per on.  ECTICIDE can provide contact and according to label directions, ppearance of newly laid eggs or cidal effect. Use on this pest owing and not under stress from temperatures or drought).	

Crops	Inse	RO METHON	ate TAM MYL 29LV TICIDE er Acre	Last Application -Days To Harvest	REI
Onions	Beet Armyworm	1 1/2	2 - 3**	7 - Green &	48 hrs
(Green & Dry Bulb)	Thrips*(***) Variegated Cutwo Black Cutworm		**	Dry Bulb Onions	
	acre per crop. Do not make mor treatments is 5 da Onions, dry bulk Do not apply mor acre per crop. Do not make mor treatments is 5 da *Chemigation: RC overhead sprinkle populations reach ROTAM METHOL inches of water per ** Add a wetting a drip irrigation system of the irrigation system of the section thrips per plant. INSECTICIDE to thrips per plant or insecticide program. Do not INSECTICIDE per a.i.) ROTAM METHOL instantial polication of tharvest.	re than 8 applications per ays. The than 12 pints of ROTAN The than 12 pints of ROTAN The than 8 applications per ays. The than 12 pints applications apply more than 12 pints apply more	d METHOMY crop; minimul INSECTICIE thrips. Begin best results, and a wettin ON section for e. (L 29LV INSI and WA. RO 3 pints of pro the of ROTAM For drip irri plied per 100 gin before po on containing to achieve sa lications at 7 action as part (3.6 lbs a.i.) Do not appli IDE per crop LV INSECTI HOMYL 29L	In treatment interval between the may be applied by applications before thrips use the highest rate of gagent. Apply in 0.1 to 0.2 or more information.  ECTICIDE may be applied via TAM METHOMYL 29LV oduct per acre of plant bed METHOMYL 29LV gation rates of ROTAM to feet, see the table at the pulations of thrips reach 3-5 ROTAM METHOMYL 29LV ions reach an average of 10 atisfactory control with any to 10 day intervals. Consider to fyour thrips control ROTAM METHOMYL 29LV y more than 18 pints (5.4 lbs to green onions. Make the CIDE at least 7 days before	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruittree Leafroller Beet Armyworm Citrus Cutworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of acre per crop.  Do not make more than 4 applic		L 29LV INSECTICIDE per	
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at petal fall and continue in cover sprays at 7 to 10-day intervals Oriental Fruit Moth* -begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual- type insecticides registered for this use. Green Peach Aphid	3 pt (or 3/4 pt per 100 gal up to 400 gal per acre)	4	4 days
	Do not apply more than 18 pints acre per crop. Do not make more than 6 applic * Oriental Fruit Moth (Ground Applic)	ations per crop.	/L 29LV INSECTICIDE per	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	3/4 – 3	21	48 hrs
	Beet Armyworm	1 1/4 - 3		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/2 – 3		
	Do not apply more than 12 pin acre per crop. Do not make more than 8 appl Do not feed treated vines. * ROTAM METHOMYL 29LV I corn earworm. **Soybean Looper is difficult to Use higher rate for severe infe	ications per crop.  NSECTICIDE has ovicide control. Do not apply to stations.	al and larvicidal control on	
	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs
Pears Northeast only	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 2 applications per crop.  * Apply in a minimum of 50 gallons of water per acre.			
Peas (succulent)	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm	1 1/2 - 3	1 - Peas 5 – Forage 14 - Hay	48 hrs
Pigeon peas Chick peas Garbanzo beans	Alfalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3		
Dwarf peas Garden peas Green peas English Peas Field peas Edible pod peas	Do not apply more than 9 pints acre per crop. Do not make more than 6 appl treatments is 3 days.  * Do not use for Cabbage Loop Chemigation: ROTAM METHO overhead sprinkler irrigation in product per acre. Apply in 0.1 agent may improve performance intervals or until worm population than 9 pints (2.7 lbs a.i.) of RO crop to succulent peas.	ications per crop; minimulations per crop; minimulations in AL & GA.  DMYL 29LV INSECTICIE ID, MT, NV, OR, UT, & Note to 0.2 inches of water per ce. Make sequential appropriate are brought below the constant of the constant inches in the constant in the constant inches in the constant inches in the constant in the constant inches in the constant in the consta	DE may be applied via WA at the rate of 3 pints of er acre. Use of a wetting olications at 5 to 7 day are shold. Do not apply more	
Pecans	Aphids	1 1/2 - 3	30	48 hrs
Southeast only	Do not apply more than 21 pint acre per crop. Do not make more than 7 appl		/L 29LV INSECTICIDE per	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peppers Including: Bell Hot	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm	1 1/2 – 3	3	48 hrs
Pimentos Sweet	Variegated Cutworm	3/4 – 1 1/2		
Sweet	European Corn Borer	3		
	Do not apply more than 15 pacre per crop.  Do not make more than 10 a		MYL 29LV INSECTICIDE per	
Pomegranates	Omnivorous Leafroller	3	14	48 hrs
romegranates	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 2 applications per crop.			
Potato	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 – 3	6	48 hrs
	Variegated Cutworm Flea Beetles	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL29LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  Chemigation - ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.  *Repeat applications of ROTAM METHOMYL 29LV INSECTICIDE on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.			

Crops	Insects	ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Rye	Armyworms Cereal Leaf Beetle* Aphids** Do not apply more than 6	3/4 – 1 1/2 pints of ROTAM METHO	7 DMYL 29LV INSECTICIDE per	48 hrs
	*Cereal leaf beetle: ROTAl ovicidal effect on cereal leaf Application should be time in anticipation of egg hatch stage (egg) is not currently *Aphids: For aphid contro adverse environmental control.	ETHOMYL 29LV INSECT ration. For best results, used in the section for more informations. The section for more information in the section for more information in the section for more information in the section in the	use the highest listed rate of in 0.1 to 0.2 inches of water per ation.  SECTICIDE can provide contact blied according to label directions. appearance of newly laid eggs or vicidal effect. Use on this pest	

Rate ROTAM		
METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
1 1/2*	14**	48 hrs
d 3-5 3/4 – 1 1/2*		
of ROTAM METHOMYL 2 ications per crop. cre by ground or 2 gallons of feeding forage or cuttin	per acre by air.	
2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs
3/4 – 1 1/2		
1/2 – 1		
3/4 – 1		
1 – 1 1/2		
		nts of ROTAM METHOMYL 29LV INSECTICIDE per

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Spinach	Alfalfa Looper Cabbage Looper Beet Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily temp. is 32° F, or lower.  Do not apply to seedlings less than 3" diameter.  Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop.			
Sugar Beet	Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstripe Armyworm*	3/4 - 3	30 - Tops 21- Roots	48 hrs
	Variegated Cutworm	1 1/2		
	Do not make more than 10 applica *Chemigation - ROTAM METHOM overhead sprinkler chemigation to yellowstriped armyworm. For best METHOMYL 29LV INSECTICIDE. CHEMIGATION section for more in	IYL 29LV INSECTION control beet armyw results, use the high Apply in 0.1 to 0.2	form, aphids and western hest listed rate of ROTAM	
Summer Squash* Including: Crookneck squash Straightneck squash Scallop squash Vegetable marrow Spaghetti squash Hyotan Cucuzza Hechima Chinese okra	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt 1 day over 1 1/2 pt 3 days	48 hrs
Bitter melon Balsam pear Balsam apple Chinese Cucumber	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 12 applications per crop.  * Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Tangelo, Tangerine CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.			
Tobacco (Except shade)	Flea Beetle Hornworm	3/4 - 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs
	Loopers Aphids Tobacco Budworm Fall Armyworm	1 1/2		
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 5 applications per crop.			
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 21 pints acre per crop. Do not make more than 16 app * For tomatillos do not apply mo INSECTICIDE per acre per crop Do not make more than 5 applie	lications per crop. ore than 15 pints of Ro		
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. ft.)		48 hrs
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acreper crop.  Do not make more than 4 applications per crop.  Do not graze or feed.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hr:
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.  *Cereal leaf beetle: ROTAM METHOMYL 29LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California.  **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### Storage and Disposal Continued

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam Agrochemical Company Limited or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam Agrochemical Company Limited and Seller harmless for any claims relating to such factors.

Rotam Agrochemical Company Limited warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam Agrochemical Company Limited, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ROTAM LTD MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, Rotam Agrochemical Company Limited or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law the exclusive remedy of the user or buyer, and the exclusive liability of rotam agrochemical company limited and seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of rotam agrochemical company limited or seller, the replacement of the product.

Rotam Agrochemical Company Limited and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam Agrochemical Company Limited.

Manufactured by: 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826 Registered: [TBA]



**Due to high Acute Toxicity to Humans** 

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE

# Rotam Methomyl 29LV Insecticide

#### Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	By Weight
Methomyl	
(S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL Contains Methanol	100%

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

## KEEP OUT OF REACH OF CHILDREN

**DANGER** 

**POISON** 



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions For Use.

#### **FIRST AID**

#### (N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

# ATROPINE IS AN ANTIDOTE -- SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

**POISONING SYMPTOMS** — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

#### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

**TREATMENT** — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV INSECTICIDE alone. However, for exposure to combinations of ROTAM METHOMY L29LV INSECTICIDE and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

# HAZARDS TO HUMANS AND DOMESTIC ANIMALS KEEP OUT OF REACH OF CHILDREN DANGER POISON



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- · Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of

equipment washwarer or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

#### PHYSICAL AND CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

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**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Storage and Disposal Continued

#### CONTAINER HANDLING:

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Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):

Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826

Registered: (TBA)

Net Contents Gallons TBA

#### Restricted Use Pesticide

Due to High Acute Toxicity to Humans.

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

# Supplemental Labeling Green and Dry Bulb Onions

### **ROTAM METHOMYL 29LV INSECTICIDE**

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

#### IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of ROTAM METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of ROTAM METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing ROTAM METHOMYL 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Manufactured by: Rotam Agrochemical Company Ltd. 7F, Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong ACCEPTED
NOV 2 3 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83 100 - 27

Application Information, Rates and Timing (continued)

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

#### Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	ROTAM METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

# Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Drip Chemigation Systems

Types of Irrigation Systems

ROTAM METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

#### **Drip Guidance**

- Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
- Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of ROTAM METHOMYL 29LV INSECTICIDE comes out of each emitter.
- Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
- 4. The minimum injection time that will result in uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
- 5. When the drip tape is located between two single or double rows of onions, begin injection of ROTAM METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the ROTAM METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer

row and not left in the area around the emitter.

- 6. Applications should be made before pests reach thresholds.
- 7. Drip chemigation works best when fields are relatively flat.
- The tape flow rate should be matched to the soil type, crop and climate. Too much flow can
  result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more
  information.

#### Preparation

A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

#### Injection Into Chemigation Systems

Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing ROTAM METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

#### **Uniform Water Distribution**

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

#### Equipment calibration

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

#### **Monitoring of Chemigation Applications**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

#### Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

 The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the imigation pipeline to prevent water source contamination from backflow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check

valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking controls to automatically shut off the pesticide

injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with

pesticides and capable of being fitted with a system interlock.

Chemigation systems connected to public water systems must contain a functional, reducedpressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

#### Operation

Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. ROTAM METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

#### **IMPORTANT**

BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application. Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

#### **Restricted Use Pesticide**

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

# Supplemental Labeling

Succulent Peas Succulent Beans Dry Beans

ROTAM METHOMYL 29LV INSECTICIDE EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

#### IMPORTANT

BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPAREGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, alfalfa looper, cabbage looper, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar and, green cloverworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong

ACCEPTED
NOV 2 3 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100 -27

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of ROTAM METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days, and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems

ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

Preparation

A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

#### **Uniform Water Distribution**

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

#### Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system
  interlock to prevent fluid from being withdrawn from the supply tank when the irrigation
  system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the

posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

#### Restricted Use Pesticide

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

# Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

#### **IMPORTANT**

BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPAREGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage, and 21 days for stover before harvest.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong

NOV 2 3 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83 100 -2 7

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems

ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

Preparation

A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

#### **Uniform Water Distribution**

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

**Monitoring of Chemigation Applications** 

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has

at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system
  interlock to prevent fluid from being withdrawn from the supply tank when the irrigation
  system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

#### Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform

manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

### Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.



## Methomyl (83100-27) revised label Frank Sobotka to: Thomas Harris

11/15/2011 06:58 AM

Tom, all corrections per your email were made in the attached documents (one clean, one HL). Note, in the precautionary statements section I added the word "Corrosive". This correction was requested by CALDPR for state approval in California. It is on the DuPont label as well. No other changes except those you requested in your email. Please send me a ecopy of the stamped label as soon as possible. Thanks,

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502





083100-0027.20111115.Primary Lbl.pdf 083100-0027.20111115.HL Primary Lbl.pdf



## Revision needed (last one!) for Methomyl 29LV Amended label (83100-27)

Thomas Harris to: Frank Sobotka

11/10/2011 02:38 PM

Dr. Sobotka,

When I gave the package to my PM to sign he found a few more things to change on the methomyl label 83100-27. Some of these are really for Dupont to fix first so I won't require you to change them at this time (example, defining geographic areas, eg. "northeast", for some crops). However, there are two changes that you need to make on page 7 of your label (see attachment).

Just email me back another revised label and I should be able to get this signed. Thanks.



083100-0027.20111104.Primary Lbl.EPA COMMENTS.print image page 7.pdf

Tom Harris EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423 fax: (703) 308-0029

harris.thomas@epa.gov

visit http://www.epa.gov/pesticides

Frank Sobotka Per your email the above subject label has been... 11/04/2011 03:34:48 PM

From: Frank Sobotka
To: Thomas Harris/DC/USEPA/US@EPA

Date: 11/04/2011 03:34 PM

Subject: Methomyl 29LV Amended label (83100-27)

\*Personal privacy information\*

Per your email the above subject label has been revised and I am resending both a regular and HL copy for your final review and stamping. Note I also corrected any inconsistency concerning the Brand Name in the label so it reads the same throughout all labels.

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502

[attachment "083100-0027.20111104.HL Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US] [attachment "083100-0027.20111104.Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]

### **DIRECTIONS FOR USE** Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural posticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WP8 uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Chemical-resistant gloves, such as barrier laminate or butyl rubber Shoes plus socks.

Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminates with this product's concentrate. Do not rouse them.

Do not formulate this product into other end-use products without written permission from Rotam.

ROTAM METHOMYL 29LV INSECTICIDE should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling. Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.

ROTAM METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV INSECTICIDE is mixed with water for application.

Chemigation: Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

### Page: 7

PAuthor: tharri02 Subject: Crem-Out Date: 11/10/2011 1:01:13 PM
DELETE this phrame (or entire sentence)

The fast phrase involves a contractual agreement between registrares and it is not appropriate to go into this level of detail on an EPA approved label. I'll notefied Duront to

Subject: Cress-Club Delet: 11/10/2011 12:57:09 PM

two problems with this paragraph:

a) "thould only be used it is inhibitory; at least needs to be stated at "must only be used".

b) "... not responsible ... use of the product in a manner not specified ..." Inva., but such a use is diagal so Rotam's warranty would be the least of their womiss! This sentence implies you can use the product of "shall which is not true.

Best to just delete entire personaph; it's not needed.



## Methomyl 29LV Amended label (83100-27) Frank Sobotka to: Thomas Harris

11/04/2011 03:34 PM

Per your email the above subject label has been revised and I am resending both a regular and HL copy for your final review and stamping. Note I also corrected any inconsistency concerning the Brand Name in the label so it reads the same throughout all labels.

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502



083100-0027.20111104.HL Primary Lbl.pdf 083100-0027.20111104.Primary Lbl.pdf



## Corrections needed to 83100-27 11/3 version Thomas Harris to: Frank Sobotka

11/03/2011 03:39 PM

Dr. Sobotka,

Excellent job moving the supplemental text to the main label. I have a few comments. Please see attached markup. There are two versions: just print the print image to easily see the comments. You can use the "live" version to copy/paste any long text I've prescribed (I don't think I had anything too long).

Please email me back a revised .pdf. Thanks.

print image (just print as is):

083100-0027.20111103.Primary Lbl.EPA COMMENTS.PRINT IMAGE.pdf



"live" version: 083100-0027.20111103.Primary Lbl.EPA COMMENTS.pdf

Tom Harris

EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423 (703) 308-0029 harris.thomas@epa.gov

visit http://www.epa.gov/pesticides

Frank Sobotka

Tom, per our conversation and your email I have...

11/03/2011 01:04:08 PM

\*Personal privacy information\*

From:

Frank Sobotka

To:

Thomas Harris/DC/USEPA/US@EPA

Date:

11/03/2011 01:04 PM

Subject:

Revised Rotam Methomyl 29LV Insecticide (83100-27) Revised label

Tom, per our conversation and your email I have revised the above subject label making all of the changes you listed. I am sending two files one is a regular .pdf doc and the second is a highlighted .pdf version of the changes made to the label. I am choosing to attached the three Supplemental labels to the master label for stamping.

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238 PH: 215 497-9501

FX: 215 497-9502

[attachment "083100-0027.20111103.HL Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US] [attachment "083100-0027,20111103.Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]

[Front Container Label - Optional if Booklet is used as front container label]

## RESTRICTED USE PESTICIDE

**Due to high Acute Toxicity to Humans** 

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP

INSECTICIDE

## Rotam Methomyl 29LV Insecticide

Water Soluble Liquid Contains 2.4 lbs. active ingredient per gallon Active Ingredient By Weight Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate) 29% Other Ingredients 71% 100% TOTAL Contains Methonol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

#### KEEP OUT OF REACH OF CHILDREN DANGER **POISON**



**PELIGRO** 

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it

See additional Precautionary Statements on inside booklet and back panel of container and Directions for Use on inside booklet.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826

**Net Contents** Gallons TBA

## Summary of Comments on [Directions for use booklet]

Page: 1

Date: 11/3/2011 3:20:52 PM a) Be careful with the word "general"; do not use it in most headings. Our lawyers say this implies advisory not mandatory text.

b) When you have a sentence with a list of items please put a comma before "and" preceeding last item (eg. a, b, and c). Technically, this is grammatically ok to leave out but it is one of my pet pieces. I've noted where to add comma in a few places where I think it is expecially necessary for clarity of PHIs.

Directions for Use
Agricultural Use Requirements
General Information General Information
Scouting
Insect Predators
Resistance
Compatibility
Integrated Pest Management
Spray Preparation
Application
Spray Drift Management
Crop/Rate Tables
Storage and Disposal
Notice of Warrant

Page: 6

Author: thami02 Subject: Cross-Out Date: 11/3/2011 3:18:59 PM DELETE due to problem w/ "general"

Also, check that this TOC matches order of sections below.

system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (PH5-7).

Injection Into Overhead Sprinkler Chemigation Systems: Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Operation: Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End gupe must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to ovevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

### Drip Chemigation

#### Types of Drip Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb enions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this main product label.

12

### Page: 12

z	Author: tharrio2 Subject: Rectangle Date: 11/3/2011 3:01:46 PM	
1	INSERT intro paragraph as done w/ overhead. Suggested:	
	*Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on green and dry bulb onlons Using Drip Chemigation	
	Drip chemication is allowed for use in green and dry bulb onions. Do not apply this product through any other type of irrigation systems, except those allower	ed

by instructions provided in a supplemental, SLN or this product label, \*

Author: thami02 Subject: Cross-Out Date: 11/3/2011 2:58:40 PM

DELETE here. Move above (see note).

manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

### General Chemigation Use Directions

#### **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

#### Equipment Calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

#### **Monitoring of Chemigation Applications**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut beystem down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for deaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

#### Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

 The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

### Page: 14

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 2:57:49 PM

"Additional chemigation directions (both overhead and drip)"

### Restricted Use Pesticide

Due to High Acute Toxicity to Humans.

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

# Supplemental Labeling Green and Dry Bulb Onions

## ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on 13 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to dee this product in a manner inconsistent with its labeling.

#### IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin portains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

#### **General Information**

METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by feliar application to control many important insect posts. METHOMYL 29LV INSECTICIDE is mixed with water for application.

#### Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems.

Manufactured by: Rotam Agrochemical Company Ltd. 7F, Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong Page: 50

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:04:48 PM

Problem due to "general" and "foliar". Paragraph not really needed. If you want to keep then at least delete header "general information."

#### Application Information, Rates and Timing (continued)

The rate of METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing METHOMYL 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Make sequential applications at 7 to 10 day intervals. Consider use of products with an atternate mode of action as part of your thrips control program. Do not apply more than 12 pints (2.6 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pins (5.4 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

### Instructions for the Use of METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	/4,520 ft.	3.3 fl. oz.
48 inches	10,890,8	4.4 fl. oz.
60 inches	8,732 ft.	5.5 fl. oz.
72 inches	7,260 %	6.6 fl. Oz

#### Chemigation-Systems

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do pol use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTIONE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

### General Directions for Drip Chemigation

#### General Drip Guidance

- 1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than
- 2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMYL 29LV INSECTICIDE comes out of each emitter.
- 3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
- 4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity

Page: 51

1	Author: tharri02	Subject: Replacement Text	Date: 11/3/2011 3:10:26 PM	10
/	REPLACE with headi	ng (based on overhead chemigation	n suppl):	
	"Instructions for use	of Rotam Methornyl 29LV Insectici	de in drip irrigation systems."	
	a Author: tharri02	Subject: Cross-Out Date: 1	11/3/2011 3:11:19 PM	
/	DELETE due to pro	olem w/ "general". Header not nev	eded.	
	Author: tharri02	Subject: Cross-Out Date: 1	11/3/2011 3:19:59 PM	
1	DELETE due to prob	iem w/ "general" not neerled		

### Restricted Use Pesticide

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

## Supplemental Labeling

Succulent Beans Succulent Beans Dry Beans

### ROTAM METHOMYL 29LV INSECTICIDE EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA
OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO,
MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on (3 years from date of acceptance stars on full label] and must not be distributed or used after that date.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its abeling.

#### IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPY/CABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

#### **General Information**

METHOMYL 20LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect posts. METHOMYL 20LV INSECTICIDE is mixed with water for application.

#### Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphias, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, respecte, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar-and green-cutworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong Page: 55

or change main label to match green cutworm

Author: tharri02 DELETE paragraph.		1/3/2011 3:07:56 PM
Problem due to "ge	meni" and "foliar". Paragnaph not re	sally needed. If you want to keep then at least delete header "general information."
Author: tharri02	Subject: Replacement Text	Date: 11/3/2011 3:14:42 PM
REPLACE with:		
"alfalfa looper, cabb	hage looper"	
Author: tharri02	Subject: Replacement Text	Date: 11/3/2011 3:15:09 PM
", and"		
Author: tharri02	Subject: Replacement Text	Date: 11/3/2011 3:14:07 PM
REPLACE with:		
"green doverworm"		

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Denot apply more than 9 pints (2.7 lbs a.i.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of METHOMYL 291/INSECTICIDE: Succulent beans and bean vines and ays, succulent bean hay -7 days; Dov beans, dry bean vines and hay -14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

#### **Types of Irrigation Systems**

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

#### General Directions for Chemigation

#### Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residue using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

#### Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

#### **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

### **Equipment calibration**

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Page: 56

Author: tharri02	Subject: Replacement	Text Date: 11/3/2011 3:15:31 PM	
INSERT comma:			
", and"			
Author: thami02	Subject: Cross-Out	Date: 11/3/2011 3:11:35 PM	
DELETE due to pro	Subject: Cross-Out blem w/ "general". Header	not needed.	

### **Restricted Use Pesticide**

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment

## Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

#### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

#### IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin coordins new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application,

#### **General Information**

METHOMYL 29LV INSECTICIDE is a water-soluble liquid that is applied by foliar application to central many important insect posts. METHOMYL 29LV INSECTICIDE is mixed with water for application.

#### Application Information, Rates and Timing

ROTAM METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage-eg 21 days for stover before harvest.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong Page: 59

Author: tharri02	Subject: Cross-Out Date	e: 11/3/2011 3:08:15 PM
DELETE paragraph.		
Problem due to "ger	ers!" and "foliar". Paragraph ne	ot really needed. If you want to keep then at least delete header "general information."
- Author: tham02	Subject: Replacement Text	Date: 11/3/2011 3:16:30 PM
INSERT comma:		
", or"		

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

#### **General Directions for Chemigation**

#### Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water, Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

#### Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

#### **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

### Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

### **Monitoring of Chemigation Applications**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation



## Revised Rotam Methomyl 29LV Insecticide (83100-27) Revised label Frank Sobotka to: Thomas Harris 11/03/2011 01:04 PM

History:

This message has been replied to.

Tom, per our conversation and your email I have revised the above subject label making all of the changes you listed. I am sending two files one is a regular .pdf doc and the second is a highlighted .pdf version of the changes made to the label. I am choosing to attached the three Supplemental labels to the master label for stamping.

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502





083100-0027.20111103.HL Primary Lbl.pdf 083100-0027.20111103.Primary Lbl.pdf



Re: 83100-27 🗎

Thomas Harris to: Frank Sobotka

10/31/2011 06:04 PM

Dr. Sobotka,

Sorry for the delay. I actually had this ready to go a month ago but it got sent back to me for more changes. I'm afraid you've gotten caught in the crossfire of a new policy we've been implementing regarding supplemental labeling. It's actually nothing new but we've sometimes been inconsistent in applying the rules which has caused problems for the states. I had been trying to work out a compromise to deal implementation of this policy with me-too registrant such as yourself during transition to this new approach.

OPP is now agreeing to supplemental labels on two conditions: a) the supplemental itself states an expiration date of 3 years from date of stamping and b) the directions on the supplemental are included in the full label which gets stamped at the same time as the supplemental. My preference would be to impose these requirements first on the main registrant so as to then give the me-too registrants something to copy. However, this could delay implementation.

We just discussed the situation on the phone. You said that you are perfectly willing to do the hard part of incorporating the directions on the supplementals into the main labeling. That will solve the problem and I can get you stamp labels quickly. To that end, please make the following revisions to the label and email me back a revised .pdf:

- Incorporate the directions on the supplementals into the main label. For example, incorporate the sweet corn supplemental chemigation directions into the sweet corn row in the rate table of the main label. Important: be sure to maintain the state restrictions, i.e. sweet corn chemigation limited to CO, NM.
- 2) Revise the current "chemigation" paragraph beginning at bottom of page 7. You can still include a generic reference to SLN or supplemental labeling but you no longer need the reference to specific onion, bean, sweet corn directions since those are now in the full label itself. Yes, I know, this is basically the way you had it before I told you to change it to match Dupont in my 8/4/11 email. I was going for a more literal match to Dupont's label at that time. We're now trying to leapfrog ahead of them by working all the supplementals into the full label.
- 3) If you wish to keep the three supplemental labels to aid during a transition period to the new labels, then include them at the back of the full label but make the following changes:
- a) Move the Restricted Use Pesticide box to be the very first thing at the top of the Supplemental label.
   b) Add the following expiration text where the RUP box is currently (i.e. after initial identification info):
   "This Supplement Labeling expires on [insert 3 years from date of acceptance stamp on full label] and must not be distributed or used after that date."

Give me a call if you have any questions.

Tom Harris

EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423 fax: (703) 308-0029 harris.thomas@epa.gov

visit http://www.epa.gov/pesticides

Frank Sobotka

Tom, when can I expect to receive the Final Sta...

10/31/2011 12:21:23 PM

From: To: Date: Frank Sobotka

Thomas Harris/DC/USEPA/US@EPA

10/31/2011 12:21 PM

Subject: 83100-27 Final Stamped label

\*Personal privacy information\*

Tom, when can I expect to receive the Final Stamped label for 83100-27. Some months back you requested we attach the 3 supplementals into one Master Label. We did and submitted back to you for

## stamping?

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238 PH: 215 497-9501

FX: 215 497-9501

[Front Container Label - Optional if Booklet is used as front container tabel]

### RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

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GROUP IA INSECTICIDE

### Rotam Methomyl 29LV Insecticide

Water Soluble Liquid ngredient per gallon Active incredient Methomyl (S-methyl-N-[(methylcarbamoyl) oxylthioacetimidate) 29% Other Ingredients

Contains Methonol [Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

TOTAL

EPA Est. No.: 5905-GA-01

#### KEEP OUT OF REACH OF CHILDREN DANGER POISON

2 **PELIGRO** 

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements on inside booklet and back panel of

container and Directions for Use on inside booklet.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-6826

**Net Contents** Gallons TBA

083100-0027.20110808.Primary Lbl + Supl.pdf

### FIRST AID

FIRST AID

(N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20
minutes. Remove contact lenses, if present, after the first 5 minutes, then
continue rinsing eye. Call a poison control center or doctor for treatment

advice.

IF NNALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for the possible of the poison control center or doctor immediately for the possible of the possible o IF SYMALLOWELY, can a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE --SEEK MEDICAL ATTENTION AT ONCE IN
ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOME)

attention.

POISONING SYMPTOMS — Methornyl poisoning produces effects associated with antibolinesto a series advisity which may include weakness, bitured vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage

TREATMENT — Alropine suffate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravienously every 10 to 30 minutes until full alropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMY L29LV alone. However, for exposure to combinations of ROTAM METHOMY L29LV and organophosphorous insecticides, 2-PAM may be used as required to suppliment the atropine sulfate treatment. Do not use morphine. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency
Hotline at: 1-800-222-1222.

### [Booklet Cover]

#### PULL HERE TO OPENI

### RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans
For retail sale to and use only by Cartified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental tabel instructions with all personnel prior to application, mixing, loading, repair

GROUP 1A INSECTICIDE

Rotam Methomyl 29LV Insecticide

#### KEEP OUT OF REACH OF CHILDREN DANGER POISON



**PELIGRO** 

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient (S-methyl-N-[(methylcarbamoyl) oxylthioacetimidate) Other Ingredients 71% TOTAL 100%

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

Manufactured by: Rotam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-886-927-6826

**Net Contents** Gallons TBA

Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### KEEP OUT OF REACH OF CHILDREN

DANGER

POISON



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's cer

Contains Methanol. Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category and actions for category are considered.

category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

Long-sleeved shirt and long pants,

- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
  Socks and chemical resistant footwear
- Protective eyewear.
- Chemical resistant apron.

  Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G),

canader approved for pesuidates (Mishi-virus) approved further prent 12-149), or a NIOSH approved respirator with an organic vapor (OV) catridge or a canader with any R. P., or HE prefitter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use delergent and hot water. Keep and wash PPE separately from other laundry.

### **ENGINEERING CONTROL STATEMENTS**

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170,240 (d)4-69], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural peticides (40 CFR part 170.240 (d)(4-6)). The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

#### USER SAFETY RECOMMENDATIONS USERS SHOULD:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put or clean clothing.
- and put on clean clothing.

  Remove personal protective equipment immediately after handling this product.

  Wash the outside of gloves before removing.

  As soon as possible, wash thoroughly and change into clean clothing.

  Remove and wash contaminated clothing before reuse.

#### ENVIRONMENTAL HAZARDS

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish, aquatic invertebrates, and mammais. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in expundicate contamination. in groundwater contamination.

in groundwater contamination. This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-fleid canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS
Combustible. Do not use or store near heat or open flame. Keep container closed, Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

#### **DIRECTIONS FOR USE** Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only spoly to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

uses = 45 hour REI.

PPE required for sarly entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralis.

Chemical-resistant gloves, such as barrier laminate or butyl rubber. Shoes plus socks.

Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products without written permission from Rotem.

ROTAM METHOMYL 29LV insecticide should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling.

Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.

ROTAM METHOMYL 29LV is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV is mixed with water for application.

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Drip chemigation is allowed for onions. Ser Faderal Supplemental labeling for overhead sprinkler chemigation directions for

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Directions for Use Agricultural Use Requirements General Information Scouting Insect Predators Resistance Compatibility Integrated Pest Ma Spray Preparation Application Spray Drift Management Crop/Rate Tables Storage and Disposal Notice of Warrant

use in sweet corn, succulent peas, and succulent dry beans; and for directions use in sweet com, succulent peas, and succulent dry beans; and for directions for use for drip chemigation in onions. Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Pilots must not assist in the mixing and loading operations.

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer zone to 450 feet from the above equatic areas when ultra low volume application

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhend sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

### RESISTANCE MANAGEMENT

RESISTANCE MANAGEMENT
For resistance management, ROTAM METHOMYL 29LV insecticide is a group
1A insecticide. Repeated and exclusive use of ROTAM METHOMYL 29LV or
other group 1A insecticides may lead to the build-up of resistant strains of insects
in some crops. Not all members of this group have been shown to be crossresistant. Different resistance mechanisms that are not linked to target site of
action, such as enhanced metadollism, are common for this group of chemicals.
Alternation of compounds from different sub-groups within this group may be an
acceptable part of an integrated pest management program.

Some insects are known to develop resistance to products used repeatedly for Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products In resistantice to this product overeips in your area, this product, of order products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agnicultural advisor for the best alternative method of control for your area. For additional information on insact resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.



INTEGRATED PEST MANAGEMENT
This product should be used as part of an Integrated Pest Management (IPM)
program which can include biological, cultural, and genetic practices aimed at
preventing economic pest damage. Application of this product should be based
on IPM principles and practices including field scouting or other detection
methods, correct target pest identification, population monitoring, and treating
when target pest populations reach locally determined action thresholds. Consult
your state cooperative extension service, professional consultants or other
crudified authorities to determine amprograted action treathershold fewals for qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

Monitor insect populations to determine whether or not there is a need for application of ROTAM METHOMYL 29LV based on locally determined econ thresholds. More than one treatment of ROTAM METHOMYL 29LV may be required to control a population of pests.

#### BENEFICIAL ARTHROPODS

ROTAM METHOMYL. 28LV at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops

#### SPRAY PREPARATION

SPRAY PREPARATION
Spray equipment must be clean and free of previous pesticide deposits before applying ROTAM METHOMYL 29LV.
Fill spray tank 1/4 to 1/2 full of water. Add ROTAM METHOMYL 29LV directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means; do not use air agitation, Spray mix should not be stored overnight in spray tank.

Compatibility — Since formulations may be changed and new ones introduced, in this attuation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated

Do not use ROTAM METHOMYL 29LV with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenytiin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mitx Sequence – Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each below. Allow product.

1. Water dispersible granules.

2. Water dispersible granules.

4. Water dispersible granules.

4. Water dispersible granules.

- Water based suspension concentrates
- ROTAM METHOMYL 29LV and other water soluble concentrates

- Oil based suspension concentrates.
  Emulsifiable concentrates.
  Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzies with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water source desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

### CHEMICATION

CHEMICALIUM Instructions for the Use of ROTAM METHOMYL 29LV on Alfalfa, Barley, Dry Beans, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Succulent Beans, Succulent Peas, Sugar Beets, Sweet Corn, and Wheat Using Overhead

On not apply thru Orip Chemigation unless accompanied by Rolam Supplemental

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rys, sugar-beets, sweet com and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in supplemental labeling.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or serial applications of RoTAM METHOMY. 29LV as high as possible in the application. Apply ROTAM METHOMY. 29LV in 0.1 to 0.2 inches of water per acre.

ROTAM METHOMYL 29LV is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of ROTAM METHOMYL 26LV should take place when the insects are active and most likely to come into direct contact with the application.

are active and most likely to be applied through overhead sprinkler irrigation systems: ROTAM METHOMYL 28LV may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 28LV through any other time of irrigation systems, except those allowed by instructions provided in a type of irrigation systems, except those allow supplemental, SLN, or this product label.

### General Directions for Chemigation:

### Preparation

Preparation
A positioide fank is recommended for the application of ROTAM METHOMYL.
29LV in chemigation systems. Thoroughly clean the injection system and tank of
any fertilizer or chemical residues using a standard clean-out procedure. Dispose
of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV into the tank. Complete filling the tank by edding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV. Once in solution, no further agitation is required. Injection 11

ocal practice and manufacturer's recomme

#### **APPLICATION**

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of ROTAM METHOMYL 29LV should be applied, as needed, to keep pest populations within threshold limits. On most crops, ROTAM METHOMYL 29LV should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since ROTAM METHOMYL 29LV is a fast acting contact insecticide, best results follow d apraying of the target insect.

For aerial, use a minimum of 2 gals, per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, langelos and tangerines.

ROTAM METHOMYL 28LV is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton" and soybeans" and 1 gpe for the crops listed below providing the following conditions are met:

—equipment is adjusted to distribute spray uniformly over the spray swath,

- wind conditions and other factors such as temperature and humidity are

- that the spray is delivered to the target area, local regulations do not prohibit low-volume serial sprays, use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa Peas (succulent) Celery Collards Peppermint Peppers Potato Anise Collards
Corn
Cotton
Cucumbe
Lettuce
Melons
Mint Asparagus Barley Beans Broccoli Brussels sprouts Rye Soybean Spinach Cabbage Sugar beet Summer Squash Wheat Carrot Oats Cauliflower Peanuts

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

Not Registered for serial application in a diluted volume of less than 1 gal in

#### SPRAY TANK CLEANOUT

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic

Injection Into Chemigation Systems
Inject the proper amount of the ROTAM METHOMYL 29LV solution into the
irrigation water flow using a positive displacement injection pump. Injection
should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

### Uniform Water Distribution

Uniform Water Distribution
The Irrigation system used for application of ROTAM METHOMYL 29LV must provide for uniform distribution of ROTAM METHOMYL 29LV treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying ROTAM METHOMYL
29LV. Calibrate the injection pump while the system is running using the
expected irrigation rate. If you have questions about calibration, you should
contact your state extension service specialists, equipment manufacturer or other

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for personal protection of equipment as defined in the PPS securior of the labor cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 50 days put of the year. connections or regul days out of the year.

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- Source contamination from a packnow.
  2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut
- 4. The system must contain functional interlocking controls to automatically shull

off the pesticide injection pump when the water pump motor stops

- 5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injec pump (e.g. diaphragm pump) effectively designed and constructed of materia that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a (unctional, reduced-pressure zone, backflow preventer (RP2) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RP2, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

observation and maintain egitionity for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 5 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED.

Posting for chamigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMY. 28LV in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned

HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE

Nozzis Type - Use a nozzie type that is designed for the intended application. With most nozzie types, narrower spray angles produce larger droplets. Consider using low-drift nozzies. Solid stream nozzies oriented straight back produce the largest droplets and the lowest drift.

- Controlling Droplet Size Aircraft

  Number of Nozzles Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.

  Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

  Nozzle Tive Solid stream nozzles (such as disc and core with swirt plate.)
- Nozzle Type Solid stream nozzles (such as disc and core with swirl plate
- Nozze type solio stream nozze (such as disc and core with swin plate removed) oriented straight back produce larger droplets than other nozzie types and the lowest drift.

  Boom Length For some use patterns, reducing the effective boom length to less than 34 of the wingspan or rotor length may further reduce drift without reducing swath width.
- Application Height Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- sale reduces exposure or oropets to evaporation and with a crosswind, the Swath Adjustment When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edge of the fields, the applicator must compensate for this displacement by adjusting the part of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal

### WIND

Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential. AVOID GUSTY OR WINDLESS CONDITIONS

Note: Local terrain can influence wind patterns. Every applicator should be miliar with local wind patterns and how they affect spray drift.

### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce targer droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the

off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks wellheads and system safety devices must be plugged to preve

Do not apply when wind speed favors drift beyond the area intended for

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

### Cleaning the System

Throughly clear the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

#### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the Agrisl Drift Reduction Advisory Information.

covered in the Aerial Drift Reduction Advisory Information

### **AERIAL DRIFT REDUCTION ADVISORY INFORMATION**

AERIAL DRIFT REDUCTION ADVISORY INFORMATION Importance of Droplet Size
The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONSI See Wind, Temperature and Humidity, and Temperature inversions sections of this label. Temperature Inversions sections of this label

- Controlling Droplet Size General Techniques

   Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A

light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly distincted. (Indicates nod unstitled its middle) dissipates indicates good vertical air mixing.

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not

occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipmen section of this label to determine if use of an air assisted sprayer is

### AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS

AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS
Air assisted tree and vine sprayers carry droplets into the canopy of trees and
vines via a radially or laterally directed air stream. These sprayers are not
suitable for applying herbicides. In addition to the general drift management
principles already described, the following specific practices will further reduce
the potential for drift.

Adjust deflectors and aiming devices so that spray is only directed into

he canopy.

Block off upward pointed nozzles when there is no overhanging

canopy. Use only enough air volume to penetrate the canopy and provide

Doe only allows good coverage.

Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

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Cropa	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Alfaifa	Pea Aphid Lygus Bugs Blotch Lealminer Aphids Egyptian Alfalfa Weevit Lauvae Loopars Beet Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstripical Armyworm	11/2-3	7*	48 hrs
	Alfalfa Weevil Larvae	3		
	Variegated Culworm	3/4 - 3		
	Do not apply to dormant or semi-dor or lower. Do not apply more than 12 pints of F Do not make more than 10 applica- Chemigation: ROTAM METHOMYL. chemigation. For best results, use th 29LV. Apply in 0.1 to 0.2 inches of w more information.  "Do not apply within 7 days of cutting or	ROTAM METHOMN ons per crop. 29LV may be appli e highest listed rate sater per acre. See	/L 29LV per acre per crop. ed by overhead sprinkler e of ROTAM METHOMYL CHEMIGATION section for	
Anise (Fennel)	Cabbage Looper	3	7	48 hrs
	Beet Armyworm	1 1/2 - 3		
	Beel Armyworm 1 1/2-3  Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 10 applications per crop.			

	Omnivorous Looper  Do not apply more than 3 pi Do not make more than 2 ay		. 29LV per acre per crop.	
Crops	insects	RAIN ROTAM METHOMYL 29LV PIS. Per Acre	Last Application -Days To Harvast	REI
Barley	cereal leaf beetle eggs when be timed to correspond with egg hatch to achieve maxim currently registered in Califo "Aphids: For aphid control, adverse environmental cond	cations per crop.  Number 2014 may be apply, use the highest filted rathes of water per acre. See  METHOMYL 29LV can pro- applied according to label the appearance of newly law run oxicidal effect. Use on I mila.  crop must be actively grow filtons (auch as, extreme terms.)	sed by overhead sprinkler e of ROTAM METHOMYL. CHEMIGATION section for ovide contact ovicidal effect on directions. Application should id eggs or in anticipation of this past stage (egg) is not ing and not under stress from	48 hrs
Beans (Succeient) Including: Kidney Lima Mung Navy Pinto Seaco	Leathopper Mexican Bean Beetle Fall Armyworm Variegated Cutworm	3/4 - 3	Succulent Beans - 3/4 - 1 1/2 pts 1, over 1 1/2 pts 3; 3 - Vinius 7 - Hay	48 hra

Creps	Insects	Rete ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Duye To Harvest	REI
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufled Apple Budmoth Green Fruitworm Tarnished Plant Bug	11/2-3"	14	72 hrs
	Codling Moth (10-12 day spray intervals)			
	Leafrolliers, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leaffroper Tantiform Leafminer Cutworm	3*		
	Do not use on Early Macintosh & We Do not apply more than 15 pints of R Do not make more than 5 application treatments is 7 days.  * Apply in a minimum of 50 gallons of	OTAM METHOMY is per crop; minimu		1
Asparague	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Culworm Redbacked Cutworm	11/2-3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of R Do not make more than 8 application		1. 29LV per acre per crop.	
Avocada	Western Avocado Leafroller	11/2-3	1	48 hrs

Wax Broad Fave Asperagus Blackeyed peas Cowpeas Chick poas Carbenzo beans Sweet lupine White sweet lupine White lupine	Beet Armyworm Corn Earworm Saltmarsh Caterpillar Yellowstirped Armyworm Western Yellowstirped Arm Lygus Buga Thrips Aphids Loopers*	yworm	1 1/2 - 3			
Grain lupine	European Com Borer (Ovicide & Larvicide)— In when moth flights first ap- and-continue preventive breatments at 3-4 day into To control eggs and larva	pear		" with		
	Spotted Cucumber Beetle		3/4 - 1 1/2			
	Do not apply more than 15 Do not make more than 10 * Do not use for Loopers in	application		DMYL 29LV per acre per crop.		
Crops	Insects	Rat ROT METHOMY Pts. Per	AM YL 29LV	Lest Application -Days To Harvest	REI	
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same Succu Bear	lent	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs	
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV/acre /crop. Do not make more than 10 applications per crop. Do not use for Loopers in AL & GA. "Do not spply within 14 days of cutting.					
Beets (Table)	Imported Cabbageworm	3/4 -	-3	0 - roots	48 hrs	
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2	- 3	10 -tops		
	Cucumber Beetle Variegated Cutworm	1 1/	2			
	Do not apply more than 12 p Do not make more than 8 ap			DMYL 29LV per acre per crop.		
Bermudagrass pasture	Fall Annyworm Armyworm Striped Grass Looper	3/4	- 3	7 - Forage * 3 - Dehydrated Hay **	48 hra	
	Do not make more than 4 ap * Do not apply within 7 days	of apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop.  of make more than 4 applications per crop.  of apply within 7 days of feeding forage or allowing livestock to graze.  not apply within 3 days of cutting for hay.				
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	20	12	3	48 hrs	

	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 - 3		1
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3		
	Blueberry Maggot	3/4-1 1/2		
	Do not apply during bloom. Do not apply more than 12 not make more than 4 appl * For ground use only.	pints of ROTAM METHON	IYL 29LV per acre per crop. Do	
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**	- American	1
	Do not apply more than 21 Do not make more than 10 treatments is 2 days. ** Add a welting agent to in	applications per crop; min		
Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Par Acre	Last Application -Days To Harvest	REI
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 18 Do not make more than 10 treatments is 2 days. ** Add a wetting agent to in	applications per crop; min	IYL 29LV per acre per crop. mum interval between	
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	1	48 hrs
	Imported Cabbageworm	3/4 - 3 **		
	Variegated Cutworm	1 1/2 **		
No.	Do not apply more than 24 Do not make more than 15 ap days.  * Do not use for Loopers in ** Add a wetting agent to in	plications per crop; minimum AL & GA.	IYL 29LV per acre per crop. interval between treatments is 2	
Carrot	Beet Armyworm Armyworms Aster Leafhopper	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	3/4 - 1 1/2		
			IYL 29LV per acre per crop.	
Cauliflower	Imported Cabbageworm	3/4 - 3 **	3	48 hrs
	Loopers Diamondback Moth	1 1/2 - 3 **		15000

	Do not make more than 10 ap treatments is 2 days. ** Add a wetting agent to impr			
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hr
	Loopers	3		
	Variegated Cutworm	1 1/2		
	Armyworms	3/4 - 3		
	Do not apply more than 24 pin Do not make more than 10 ap		IYL 29LV per acre per crop.	
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hr
	Do not apply more than 6 pints Do not make more than 2 app	of ROTAM METHOMY lications per crop.	/L 29LV per acre per crop.	
Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	RE
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hr
	Do not apply more than 24 pir Do not make more than 10 ap * Minimum of 25 gallons water	plications per crop.		11-
Collards (Fresh market only)	Diamondback Moth Variegated Cutworm	1 1/2	:10	48 h
	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3		
	Do not apply when temp. is le: Do not apply when crop is less Do not apply more than 18 pin Do not make more than 8 appl * Do not use for Loopers in AL	than 10" tall, ts of ROTAM METHOM lications per crop.	IYL 29LV per acre per crop.	
Corn (Field, Popcorn & Seed)	Earworm – (Ovicide/Larvicide) Armyworm Fall Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles Fina Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Slover*	48 hr
	Variegated Culworm,	1 1/2		1
	Beet Armyworm			

Variegated Cutworm

	"Corn forage is green actively gr The plants can be fed directly to parts of the plant that remain after remaining stalks and leaves can	animals or used to ma er removal of the grain	ake silage. Com stover are the at full plant maturity. These	
Crops	Insects	Rate ROTAM METHOMYL 28LV Pts. Per Acre	Last Application -Days To Narvest	REI
Com (Sweet)	Earworm-Whorl as needed	1 - 1 1/2	0 -Ears	48 hrs
	Fall Armyworm Armyworm Earworm, (Ovicide/Larvicide) European Corn Borer -Sarn -1-3 days or as needed Corn Rootworm (adult beetles) Flea Beedles -Picnic Beetles Aphids	3/4 – 1 1/2	3 - Forage 21 - Slover	
	Variegated Cutworm Beet Armyworm	1 1/2		

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Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Lest Application -Days To Harvest	REI
Crops Cotton – All US	Insects  Ovicide/Larvicide - Bollworm Tobacco Budworm (Initiate schedule when significant numbers of eggs are present Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below, Lygus Bugaf/Plant Buga (adults and nymphs) Start treatment on low level population for suppression.	ROTAM METHOMYL 29LV	Lest Application -Days To Harvest 15	72 hrs

Certain hybrid varieties of sweet corn are susceptible to methornyl injury.

Treat a small area to determine crop safety before full scale spraying.

Do not apply more titen 21 pints of ROTAM METHOMY1, 29LV per acre per crop.

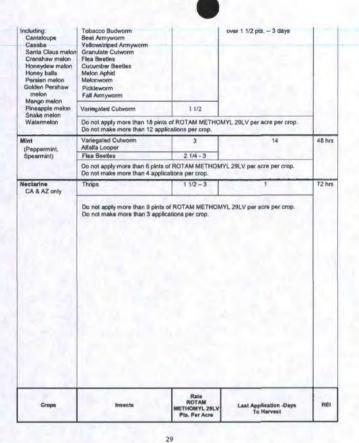
Do not make more than 28 applications per crop; minimum interval between treatments is 1 day.

	Cotton Fleahopper (as needed)	2/5 - 3/4	
	Aphids, Thrips	3/4	
East of Rockies only	(Early Season) Boelworm Boet Armyworm Cotton Lealperforator Fall Armyworm Lygus BugsPlentBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	11/2	
	(Late Season) Sollworm Tobacco Budworm Beel Armyworm Cotton Leafgerforator Fall Armyworm Lysus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired bolf load set on plants.	1 1/2 - 2 1/4	
Texas	Colton Aphid	3/4 - 2	
West of Rockles only	Larvicide for worms: Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 - 2 1/4	
	Cotton Leafperforator	1-21/4	
	For applications West of the Roc desired boil load set on plants. For all applications made to or Do not apply more than 6 pints or Do not make more than 8 applica- Do not graze or feed. Use may redden cotton. If excess	otton in the United S of ROTAM METHOMY ations per crop.	tates: /L 29LV per acre per crop.

Cucumber	Loopers Tobacco Budworm	1 1/2 - 3	1 1/2 pt - 1 Over 1 1/2 pt - 3	48 hrs
Crops	lesects	Rate ROTAM METHOMYL 29LV Pis. Per Acre	Last Application -Days To Harvest	REI
		100		
		The state of		
	1.0	183		
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	110			
38.5	100			
1997				

	Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flae Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm			
	Variegated Cutworm	1 1/2		
Mile.	Do not apply more than 18 pint Do not make more than 12 app		YL 29LV per acre per crop.	
Eggplant	Green Peach Aphid	3/4 - 3	5	48 hrs
	Tomato Pinworm (Ground Application Only) Beet Armyworm Corn Earworm	1 1/2 - 3		
	Do not apply more than 15 pint Do not make more than 10 app		YL 29LV per acre per crop.	
NUMBER OF STREET	Beet Armyworm	11/2-3	10	48 hrs
Endive, Escarole	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 8 applications per crop.			
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 6 applications per crop. ** Add a wetting agent to improve coverage.			
Grapefruit CA, AZ & HI only	Thrips Fruitree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3		72 hrs
	Do not apply more than 9 pints Do not make more than 4 appli		L 29LV per acre per crop.	
Horseredish (Ground	Aphida Thrips	1 1/2	65	48 hrs
application Only)	Do not apply more than 6 pints Do not make more than 4 appli		1. 29LV per acre per crop.	
Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
		- 100 700 700 700 700 700 700 700 700 700		1

Vegetables: Beet (lops) Dandelions, Kale,	Cabbage Looper* Diamondback Moth Imported Cabbageworm				
Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Do not apply more than 12 po not make more than 8 a * Do not use for Cabbage Lo	pplications per crop.	MYL 29LV per acre per crop.	1	
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hri	
	Do not apply more than 9 pi Do not make more than 4 ap		YL 29LV per acre per crop.		
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs	
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 2 applications per crop.				
Lettuce	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt 7	48 hrs	
(Head and Leaf varieties)	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1 1/2 - 3	over 1 1/2 pts. – 10		
	Variegated Cutworm	1.1/2			
	Lettuce (leaf varieties) Do not apply more than 12 Do not apply more than 8 as treatments is 2 days.		AYL 29LV per acre per crop. num interval between		
	1112 1612				
Crops	Insects	Rate ROTAM METHOMYL 28LV Pts. Per Acre	Last Application -Days To Narvest	REI	



Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
	treatments is 5 days. *Chemigation: ROTAM MET chemigation to control thrips	optications per crop; minimiminists of ROTAM METHOM's optications per crop; minimimimimimimimimimimimimimimimimimim	um interval between  YL 28LV per acre per crop.  um treatment interval between the treatment	
(Green & Dry Bulb)	Thrips* Variegated Cutworm Black Cutworm	3**	Dry Bulb Onions	
Onions	Beet Armyworm	1 1/2 - 3**	7 - Green &	48 hrs
	more information.  'Cereal leaf beetle: ROTAM cereal leaf beetle eggs when be timed to correspond with egg hatch to achieve maxim currently registered in Califo	HOMYL 29LV may be appliable. The highest listed rather of water per acre. See METHOMYL 29LV can properly applied according to labe the appearance of newly lumn ovicidal effect. Use on mis. crop must be actively growthom see the sectively growthom see the sective see the sective see the section seed that see the section seed that seed the seed that seed the section seed that seed the seed that seed the section seed that seed the seed that seed the section seed that seed the section seed that seed the	te of ROTAM METHOMYL.  CHEMIGATION section for voide contact ovioidal effect on directions. Application should aid eggs or in anticipation of this pest stage (egg) is not wing and not under stress from imperatures or drought).	
	Do not apply more than 6 pi		L 29LV per acre per crop.	
Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 - 1 1/2	7	48 hr

Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruitiree Leafroller Beet Armyworm Citrus Cutworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of Do not make more than 4 applic		LV per acre per crop.	
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at patal fall and continue in cover sprays at 7.10 10-48y intensals Oriental Fruit Moth* - begin in tyeal fall, use trapping devices and frequent field inspection to determine need refer insection to reatment. Continue treatment in cover aprays and alternatie with resolutal- type insecticides registered for this use. Green Peach Aphid	(or 3/4 pt per 100 gal up to 400 gal per acre)		4 days
-	Do not apply more than 18 pints Do not make more than 6 applic * Oriental Fruit Moth (Ground Ap Com Earworm* Potato Leafhopper	ations per crop.	SLV per acre per crop.	48 hrs
	Fall Armyworm	1.074 2		
Peanuts	Beet Armyworm Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/4 - 3		
	Soybean Looper ** Thrips	ations per crop. s ovicidal and larvicidal co control. Do not apply to wo	ntrol on corn earworm.	

Crops	Insects	Rota ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI	
Pears	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs	
Northeast only	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 2 applications per crop.  * Apply in a minimum of 50 gallions of water per acre.				
Peas (succulent) Including: Pigeon peas Chick peas Garbanzo beans Dwarf peas	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpiller Variegaled Culworm	1 1/2 - 3	1 - Peas 5 - Forage 14 - Hay	48 hrs	
Garden peas Green peas English Peas	Affalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3			
Field peas Edible pod peas	Do not apply more than 9 pint Do not make more than 6 appl treatments is 3 days. * Do not use for Cabbage Loo	fications per crop; mir			
Pecans Southeast only	Aphida	1 1/2 - 3	30	48 hrs	
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 7 applications per crop.				
Pappers Including: Bell Hot Pimentos	Loopers Beet Armyworm Green Peach Aphid Armyworm Pall Armyworm	1 1/2 - 3	3	48 hrs	
Sweet	Variegated Cutworm	3/4 - 1 1/2			
	European Corn Borer  Do not apply more than 15 pin  Do not make more than 10 ap		DMYL 29LV per acre per crop.		
Pomegranales	Omnivorous Leafroller	3 1	14	48 hrs	
	Do not apply more than 6 pint Do not make more than 2 app		MYL 29LV per acre per crop.		

Creps	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	RE
Poteto	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 - 3	6	48 hrs
	Variegated Cutworm Floa Beetles	1 1/2		
	more information.		on a 5-7 day schedule, or longer	
	as needed, to control tuber insecticides with different m larval populations as low as damage to the tubers. Failu senescence or vine kill incre	worm populations. An a odes of action may be a possible prior to herve to adequately control asses the risk of luber of	application schedule of effective needed to keep foliar feeding st to reduce the risk of larval i tuberworm larvae prior to crop lamage.	
Rye	as needed, to control tuber insecticides with different m larvel populations as low as damage to the tubers. Failu senescence or vine kill incre  Armyworms.  Cercal Leaf Beetle*  Aphids**	worm populations. An a odes of action may be a possible prior to herve te to adequately control pases the risk of tuber of 3/4 – 1 1/2	application schedule of effective needed to keep foliar feeding st to raduce the risk of larval tuberworm larvae prior to crop armage.	48 hrs
Rye	as needed, to control tuber insecticides with different marval populations as low as damage to the tubers. Saltu senescence or vine kill incre Armyworms.  Cereal Leaf Beetle* Aphida* Do not apply more than 6 pi Do not make more than 4 at Chemigation - ROTAM MEI theringation. For best result 29 LV. Apply in D. 1 to D.2 in more information.  "Cereal leaf beetle: ROTAM careaf feaf beetle eggs when be timed to correspond with egg hatch to achieve maxim currently registered in Cellette "Aphidas. For sphid control adverse environmental conductions and the proposed control of the control of	worm populations. An a dode of action may be i possible prior to harve to adequately control assess the risk of tuber of the population of the properties of	application schedule of effective needed to keep foliar feeding at to reduce the risk of larval I tuberworm larvae prior to crop amage.  7  MYL 29LV per acre per crop. applied by overhead sprinkler a rate of ROTAM METHOMYL. See CHEMIGATION section for a provide contact ovicidal effect on abel directions. Application should fyl laid eggs or in anticipation of on this pest stage (egg) is not or this pest stage (egg) is not provising and not under stress from provising and not under stress from provising and not under stress from the pest stress of the period of the pest stress of the	48 hrs

Crops	Insects	ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Sorghum	Sorghum Webworm	1 1/2*	14**	48 hrs
Including: Sudangrass (except Sweet Sorghum)	Sorghum Midge  -Apply when 50% bloom and 3-5 days later if needed. Fall Armyworm (Budworm) Beet Armyworm Corn Earworm Armyworm	an 3 pints of ROTAM METHOMYL 29LV per acre per crop.		
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV pe Do not make more than 2 applications per crop. *Minimum of 10 gallons per acre by ground or 2 gallons per acri **Do not apply within 14 days of feeding forage or cutting for ha	ons per acre by air.		
Soybeans	Green Cloverworm Velvetbean Calerpitar Mexican Bean Beetle Corn Earworm Light to moderate Infestations	2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs
	Corn Earworm - Moderate to severe infestations	3/4 - 1 1/2		
	Soybean Aphid	1/2 - 1		
	Beet Armyworm Sali Marsh Caterpillar Bean Leal Beetle Fall Armyworm Thrips Silver Spotted Skipper - Light to moderate Infestations	3/4 - 1		
	Silver Spotted Skipper - Moderate to severe Infestations	1 - 1 1/2		
	Do not apply more than 4.5 pints of f Do not make more than 3 application		MYL 29LV per acre per crop.	
Spinach	Alfalfa Looper Cabbage Looper Best Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily te Do not apply to seedlings less than 3 Do not apply more than 12 pints of R Do not make more than 8 application	mp. is 32° F, or I or diameter. COTAM METHO!		

Misects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Leet Application -Days Te Hervest	REI
Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstripe Armyworm*	3/4 - 3	30 - Tops 21 - Raots	48 hrs
Do not make more than 10 application - ROTAM METHON chemigation to control beet armyour For best results, use the highest is	ations per crop. IYL 29LV may be worm, aphids and sted rate of ROT.	applied by overhead sprinkler western yellowstriped armyworm. AM METHOMYL 29LV. Apply in	1
Loopers Tobacco Budworm Beet Armyworm Granulate Cutworm Files Beetles Cucumber Beetles Meton Aphild Metonworm Fall Armyworm Fall Armyworm	1 1/2 - 3	1 1/2 pt 1 day over 1 1/2 pt 3 days	48 hrs
Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 12 applications per crop.  Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked carnot be stored, has a soft rind which is a saily constituted, and if seeds worth phrusted they would not permissible.			
Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	•	72 hrs
Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop.  Do not make more than 4 applications per crop.			
Flea Beetle Hornworm	3/4 - 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs
Loopers Aphida	1 1/2		
	Beet Webworm Flea Beelfes Carrion Seatles Beel Armyworm' Aphidas' De not apply more than 15 pints o Do not not not beel army Chemigation - ROTAM METHOM Chemigation - ROTAM METHOM Chemigation to control beel army For best results, use the highest is 0.1 to 0.2 inches of water per acre information.  Loopers Tobacco Budworm Beel Armyworm Granutate Cutworm Flein Seatles Cucumber Beeltes Meteory Flein Seatles Do not apply more than 18 pints o Do not apply more than 2 applicat Thrips Western Tussock Moth Orange Tortix Beelt Armyworm Do not apply more than 9 pints of Do not make more than 4 applicat Flea Beetle Hormworm	Insects  ROTAM METHORYL 29LV Pis. Par Acre  Beet Webworm Flea Beetles Carrion Beetles Beel Armyworm Western Yellowstripe Armyworm Variegated Cutworm Do not apply more than 15 pints of ROTAM METHO On the more than 10 applications per crop. To best results, use the highest state drate of ROT. 0.1 to 0.2 inches of water per acre. See CHEMIGA information. Loopers Tobacco Budworm Pet Armyworm Vellowstriped Armyworm Vellowstriped Armyworm Vellowstriped Armyworm Flea Beetles Cucumber Beetles Meton Aphid Metonworm Pickleworm Fall Armyworm Do not apply more than 18 pints of ROTAM METHO Do not maply more than 12 applications per crop. *Fruit of the Gourd (Cucurbitaceae) family that are of the fruit is edible cooked or raw, once pickle or arbits is easily cenetizated.  Western Tussock Moth Orange Tortiz Beet Armyworm Western Tussock Moth Orange Tortiz Beet Armyworm Do not apply more than 9 pints of ROTAM METHO Do not make more than 4 applications per crop. Flea Beetle This armyworm Flea Beetles This armyworm Pickles armyworm This armyworm This armyworm Pickles armyworm This armyworm Pickles armyworm Pickl	Beet Webworm Flea Beetles Carrion Beetles Beel Armyworm Vesteure Armyworm Vesteure Armyworm Vesteure Armyworm Vesteure Vesteure On not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 16 pints of ROTAM METHOMYL 29LV per acre per crop. On not apply more than 16 pints of ROTAM METHOMYL 29LV per acre per crop.  1 1/2 - 3  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 3 days  1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days  1 1/2 pt 1 day over 1 1/2 pt 3 days

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	MEI
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	11/2-3	1	48 hrs
	Variegated Cutworm 1/1/2  Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 15 applications per crop. For formalities do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 5 applications per crop.			
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. ft.)	-1-11	48 hrs
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Do not graze or feed.			
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 - 1 1/2	7	48 hrs
	Do not apply more than 6 pints. Do not make more than 4 applic Chemigation. ROTAM METHOD chemigation. ROTAM METHOD chemigation. For best results, u 29LV. Apply in 0.1 to 0.2 inches more information.  *Cereal leaf beetle: ROTAM ME cereal leaf beetle: ROTAM ME cereal leaf beetle: ggb when ap be timed to correspond with the egg hatch to achieve maximum currently registered in California "Applications on Russian wheat if (<10 adults per stem).	altions per crop.  WYL 29LV may be app se the highest listed r of water per acre. Se  THOMYL 29LV can p pleed according to lab appearance of newly vicidal effect. Use o  must be actively gro se (such as, extreme	plied by overhead sprinkler also of ROTAM METHOMYL to CHEMIGATION section for provide contact ovicidal effect on el directions. Application should laid eggs or in anticipation of n this pest stage (egg) is not wing and not under stress from temperatures or drought).	



Do not contaminate water

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation

Nonrefiliable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefiliable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds Pour frinsete into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, ofter for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Storage and Disposal Continued

All Refillable Containers: Refillable container. Refilling Container. Refill containers: Refill so container with ROTAM METHOMYL 29LV containing methomyt only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, won out threads and closure devices. Check for leaks after refilling and before transporting. Plasosing of Container, Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or insate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metai Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

Storage and Disposal Continued

Nonrefiliable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Norrefillable containers. On not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank, Fill the container (14 full with water. Replage and tighten closures.

The container on its side and roll it back and forth, ensuring at least one "container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store insate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer or recycling if available or puncture and dispose of in a sanitary landfill, or by recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers, e.g., intermediate Bulk Containers (IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product content into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzie in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sentero learlift, or by representance, or it allowed by state and local. Containers, offer for recycling if available or puncture and dispose or sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropri puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam Agrochemical Company Limited or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam Agrochemical Company Limited and Seller harmless for any claims relating to such factors.

Rotam Agrochemical Company Limited warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam Agrochemical Company Limited, and Buyer and User assume the risk of any such use. To THE EXTENT CONSITENT WITH APPLICABLE LAW ROTAM LTD MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PATICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, Rotam Agrochemical Company To the extent consistent with applicable law, Rotam Agrochemical Company Limited or Selier shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM AGROCHEMICAL COMPANY LIMITED AND SELER FOR ANY AND ALL CALIMIS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS ASSES INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF TOT THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF THE PRODUCT.

Rotam Agrochemical Company Limited and Saller offer this product, and Buyar and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam Agrochemical Company Limited.

Manufactured by: 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-866-927-8826

Registered: [TBA]

### RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans
For retail sale to and use only by Certifled Applicators or persons under their direct supervision, and only for those uses covered by the Certifled Applicator's Certification. Direct supervision for this product requires the Certifled Applicator to review tederal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE

### Rotam Methomyl 29LV Insecticide

Water Soluble Liquid edient per gallon Active Ingredient **By Weight** Methomyl (S-methyl-N-[(methylcarbamoyi) oxylthigacetimidate) 29% Other Ingredients 71% TOTAL 100% Contains Methanol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No : 5905-GA-01

#### KEEP OUT OF REACH OF CHILDREN DANGER POISON



### **PELIGRO**

Si ustad no entiende la stiqueta, busque a alguien para que se la explique a ustad en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hezards and Directions For

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#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS KEEP OUT OF REACH OF CHILDREN DANGER POISON

### **PELIGRO**

Si ustad no entiende la etiqueta, busque a algulen para que se la explique a ustad en detaille. (If you do not understand the label, find someone to expliai to you in detail.)

Restricted Use Peaticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemicalresistance category selection chart.

- resistance category selection chart.
  Mixers, toaders, splictors, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

  Long-sleaved shirt and long pants.

  Chemical-resistant gloves, such as natural rubber or other materials in
  - EPA category C. Socks and chemical resistant footwear.
  - Protective eyewear.
  - Chemical resistant apron

Chemical resistant apron.
Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.
Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PFE. If no such instructions for washabies, use detergent and hot water. Keep and wash PPE separately

### **ENVIRONMENTAL HAZARDS**

ENVIRONMENTAL HACAKUS
This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of

FIRST AID

(N-Methyl Carbamate Insecticide) (N-Methyl Cerbamate Insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. If SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce womiting unless told to by a poison control center or doctor. Do not give anything than unconscious marson.

to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immedia with plenty of water for 15-20 minutes. Call a poison control center or doctor for

treatment advice.
ATROPINE IS AN ANTIDOTE —SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.
If poisoning symptoms appear (see POISONING SYMPTOMS), get medical

attention.

POSSONING SYMPTOMS — Methornyl polsoning produces effects associated with anticholinisterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors, if poisoning symptoms appear, refer to First Aid section and seek medical attention at once

#### NOTE TO PHYSICIAN

able mucosal damage may contr

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. Intravenously every 10 to 30 minutes until till atrophization is achieved. Maintain atrophization until the patient recovers. Afficial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibito until recovery is assured.

until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV alone, However, for exposure to combinations of ROTAM METHOMYL 29LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface waters, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

## systems that drain to surface water

PHYSICAL AND CHEMICAL HAZARDS
Combissible. Do not use or store near heat or open flame. Keep container closed.
Use with adequate ventilisation. The product shows potential explosive properties when heated to elevated temperatures.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposa

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous PESTICIDE DISPOSAL: Pesticide wastes are acutely nazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Storage and Disposal Continued

#### CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" design

Nonrefiliable Plastic and Metal Containers (Capacity Equal to or Less Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. drip. Fill the container 1.4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store insate for later use or disposal. Drain for 10 seconds after the flow begins to drip, Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. and local authorities.

and local authorities.

Monrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container of 1/4 full with water. Replace, and tighten closures. "Container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its other end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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Manufactured by: Relam Agrochemical Company Ltd. 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong 1-868-927-6828

**Net Contents** Gallons TBA

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers (BSC) (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container, Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or insate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local Containers, offer for recycling if available or purcture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refiliable container, Refilling Container, Refill this container with ROTAM METHOMYL 29LV containing methomyt only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Pseopära of Container, Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal is than responsibility of the person disposing of the container. To clean the container before final disposals, empty the remaining contents from this container rior application equipment of missensible container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or insate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning: if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if containers is damaged or leaking. container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

## Supplemental Labeling

Green and Dry **Bulb Onions** 

### **ROTAM METHOMYL 29LV INSECTICIDE**

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, **UTAH, AND WASHINGTON** 

### Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

### DIRECTIONS FOR USE

eral law to use this product in a manner inconsistent with its labeling

IMPORTANT BEFORE USING METHOMYL 29LY INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL

This bulletin contains new or supplemental Instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 25LV INSECTICIDE is a water soluble liquid that is applied by foliar application
control many important insect peats. METHOMYL 29LV INSECTICIDE is mixed with water
application.

Application Information, Rates and Timing
Rotarn METHOMY1, 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of METHOMY1, 29LV INSECTICIDE is listed as a broadcast rate. For ordip irrigation rates of METHOMY1, 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing METHOMY1, 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory

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control with any insecticide program.

Manufactured by: Rotsen Agrochemical Company Ltd. 7F, Cheung Tat Centre 18 Cheung Lee Street Chal Wan, Hong Kong

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs. a.i.) METHOMY. 29.V INSECTICIDE per crop to dry butlo onions. Do not apply more than 18 pints (5.4 lbs. a.i.) METHOMY. 29.V INSECTICIDE per crop to green onions. Make the last application of METHOMY. 29.V INSECTICIDE at least 7 days before harvest.

### ctions for the Use of METHOMYL ZRLV INSECTICIDE in Drip Chemis

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 28LV INSECTICIDE pt/A rate per 1000 flow Feet
36 inches	14,520 ft.	3.3 ft. oz.
48 inches	10,890 ft.	4.4 ft. oz.
60 inches	8,712 ft.	5.5 ft. oz.
72 inches	7,260 ft.	6.6 ft. Oz

#### Chemigation Systems

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of
thrips in green and dry bulb onions. The irrigation system used must provide uniform water
distribution. Do not use filter screens emailer than 50 meah throughout the system, due to possible
build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV
INSECTICIDE through any other type of irrigation systems, except those allowed by instructions
provided in supplementat, SLN or the main product tabet.

#### General Directions for Drip Chemigati

- General Drip Guidance

  1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planning. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches despe.
- Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMY. 2BU VINSECTICIDE comes out of
- results are seen menute.

  3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.

  4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of peed water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

- appropriately located on the infgasion pipeline to prevent water source contamination from backflow.

  The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

  The pesticide injection pipeline must also contain a functional, normally closed, sclenoid-populated valve located on the intake side of the injection pump and connected to the system interfock to prevent fluid from being withdrawn from the supply tank when the intgasion system is either automatically or manually shut down.

  The system must contain functional interfocking controls to automatically shut off the pesticide rispection pump when the water pump motor stops.

  The intgation line or water pump motor stops.

  The intgation line or water pump motor stops.

  Systems mall use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interfock.

  Chemigation systems connected to public water systems must contain a functional, reduced-pressures zone, backflow preventer (RP2) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RP2, the water from the point of pesticide introduction a reservoir tank prior to pesticide introduction a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside dismeter of the fill pipe.

### Posting of Areas to be Treated

Posting of Areas to be Treated Posting of areas to be chemispleted is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor campb, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail green/houses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the

posing period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color,
which shallpy contrasts with their immediate background. At the top of the sign shall be the words
'KEEP OUT'.

"REEP OUT".

Tollowed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for 51

INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.

- uniformity.

  In a suppose the suppose of the suppos

Preparation
A pesticide tank is used for the application of METHONYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 14 to 12 of the desired amount of water and then measure the required amount of METHONYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water outputs of the process of

Injection Into Chemigation Systems inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the infigation water flow injection should occur at a polish in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing METHOMYL 29LV INSECTICIDE should be injected during the mixide one-life of the injegation cycle.

#### Uniform Water Distribution

Uniform Water Distribution
The impation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution in joint plant of defectiveness or allegal pesticide residues in or other crop being treated. Ensure the impation system is calibrated to uniformly distribute the chemigation application to the crop being treated. Ensure the impation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE.
Calibrate the injection pump while the system is running using the expected trigation rate. If you have questions about calibration, you should contact your state extension service specialists, exclument manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repaires of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 28LV INSECTICIDE is in the imigation

chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector. Start the injector and calibrate the injector. Start the injector are calibrate the injector is procedure is necessary to deliver the desired rate paracer in a uniform manner. When the application is firshed, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform

### Cleaning the System

Creaming the dysets of the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a displininguishor line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal taws. Consult your owner's manual or your local sequipment dealer for cleanout procedures for your injection system.

IMPOUTANT USING METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application. Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the smopened package at once to Setler for full refund of purchase price paid. Otherwise, use by Buyer or any other bare consistutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

## Supplemental Labeling

Succulent Peas **Succulent Beans Dry Beans** 

### ROTAM METHOMYL 29LV INSECTICIDE EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

### Restricted Use Pesticide

Due to High Acute Toxicity to Human

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

#### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling

METORIAN; BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide applic

General Reformation

METHOMYL 26LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for

pplication information, Rates and Timing

Jaam METHOMY. 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, wester

Biowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in

coulent and dry bearts and armyworm, beet armyworm, bopers, pea aphid, saltmarsh caterpillar,

uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, tack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacture, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment cassimuous

Calibrate the implation system and injector before applying METHOMYL 29LV INSECTICIDE

Calibrate the implation system and injector before applying METHOMYL 29LV INSECTICIDE

Calibrate the implation system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service apacialist, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the tabel for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation

Paquired System Safety Devices

Do not connect any irrigation system used for pasticide applications to a public water system unless the pasticide label-preactibed safety devices are in place. Public water system means a system for the previolent to the public of piped water for human consumption, if such a system has a seast 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

3. The system must contain a functional check valve, vacuum relief valve and fow pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

9. The pasticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

10. The pasticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interfock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

11. The system must contain functional interfocking controls to automatically shut off the pesticide injection, pump when the water pump motor stops.

12. The irrigation fine or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

13. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pasticides and capable to being fitted with a system interfock.

14. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPP2) or the functional equivalent in the water supply line upstream from the public water system should be discharged into a reservoir tank prior to pesticide introd

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

variagated cutworm, alfalfa caterpillar and green cutworm in succulent peak at the rate of 3 pirits of product per acre applied through overhead spirelate ringation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by: Rolam Agrochemical Company Ltd. 18-1 Chaung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.t.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.t.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peace.

Observe the following pre-harvest intervals following the last application of METHOMYL 29LV INSECTICIDE: Succulent bears and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
METHONY1 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems
for control of the listed insects in dry and succulent beans and in succulent peas. The
irrigation system used must provide uniform water distribution. Do not use filter screens smaller
than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller
screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation
systems.

### General Directions for Chemigation

Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection systems and cank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of WETHOMYL 29LV INSECTICIDE into the tank, Compilets filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly atkaline water should be buffered so that the pH of the spray solution is in the range of neutral to sinchts active (next). utral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems leject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the brigation water flow using a positive displacement injection pump. Injection should occur at a point in the main inigation water flow to ensure thorough mixing with the inigation water.

Uniform Water Distribution
The Impelion system used for application of METHOMYL 28LV INSECTICIDE must provide for

Posting of Areas to be Treated

Posting of Areas to be chemigated is required when: 1) any part of a treated area is within 300 feel

Posting of areas to be schemigated in areas, labor camps, businesses, day care centers, hospitals,
in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or
other public facilities not including public roads, or 2) when the chemigated area is open to the
public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location inforcing maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dired and soil surface waiter has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting parison.

All words shall consist of letters at least 2 1/2 inches Iall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words 'KEEP DUT'.

REEPOUT. followed by an octogonal stop sign symbol at least 8 inches in diameter containing the wor followed by an octogonal stop sign symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting it remains the properties of the properties and reently requirements for farm worker salety.

Operatisen

Start the water pump and sprinkler, and let the system achieve the desired pressure and spreed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is nacessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not

Lift glass mass be turned on ouring we apparation, a may arrigate nontarget areas or a riney or interprovide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plagged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fiftings leak or when nozzles do not provide uniform

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal lave. Consult your owner's manual or your local equipment dealer for cleanout procedures for your

Read the Limitation of Warranty and Liability on the Section 3 Federal product tabel before buying or using METHOMYL 2BLV INSECTICIDE. If terms are not acceptable, return the unoperaed package at once to Selfer for full return of pruchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product tabel.

## Supplemental Labeling Sweet Corn

### ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

### Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application squipment.

DIRECTIONS FOR USE It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE
DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or suppliemental instructions for use of these products in combination which does not appear on the package labet. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application

General Information

METHOMYL 29LV INSECTICIDE is a water adultin liquid that is applied by foliar application to control many important insact pasts. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Raise and Timing Rotan METHOMY2. 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the raise of 1.1/2 pints of ground per acre applied through overhead sprinkler irrigation systems. Apply METHOMY2. 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 bs.a.) METHOMY2. 29LV INSECTICIDE per crop to sweet corn. Make the lest application of METHOMY2. 29LV INSECTICIDE per crop to sweet corn. Make the lest application of METHOMY2. 29LV INSECTICIDE at least 0 days for ears, 3 days for forage or 21 days for stover before

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repaired of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation variety.

required system sarely bevices Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, it such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least

- a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

  15. The system must contain a functional check valve, vacuum rellef valve and fow pressure drain appropriately located on the inspatton pipeline to prevent water source contamination from backflow.

  16. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back flows of fluid back flows of the prevent the flow of fluid back flows and the province of the province of the province of the system interfock to prevent fluid from being withdrawn from the supply tank when the imgaltion system is either automatically or manually shut down.

  18. The system must contain functional interlocking controls to automatically shut off the posticide injection pump when the water prump motor stops.

  19. The irrigation size or water prump must include a functional pressure switch which will stop the water prump motor when the water prump such as a positive displacement injection pump (e. g. disp hrapm pump) effectively designed and constructed of materials that are compatible with pasticides and capable to being filted with a system interlock.

  21. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RP2) or the functional a quivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RP2, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

ere shalf be a complete physical break (air gap) between the outlet end of the fill pipe and the or overflow rim of the reservoir turk of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chamigated is required when: 1) any part of a treated area is within 300 feel
of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals,
in-patient clinics, nursing homes, or any other public areas such as schools, partix, playgrounds, or
other public facilities not including public roads, or 2) when the chemigated area is open to the
public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the felled sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum viability to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until follage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are 59

Manufactured by: Rotam Agrochemical C 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong nical Consumer I Id

Instructions for the Use of ROTAM METHOMYL 28LV INSECTICIDE in Overhead Sprinkler Chamigation Systems.

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for ME I HOWYL 25LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, best armyworm, best armyworm, best corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 meth throughout the system, due to possible build up of material on 100 meeh or smaller access. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Greeningston.

Preparation
A position is used for the application of METHOMYL 29LV INSECTICIDE in chemigation
A position of Method in the injection system and tank of any fertilizer or chemical residues using a
standard clean-out procedure. Dispose of any residues in accordance with state and Federal laws.
Add 14 to 12 of the desired amount of waller and the teneration with the method of the control of the control

Injection into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water
flow using a positive displacement injection pump, injection should occur at a point in the main
irrigation water flow to orasse through mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution in party in the property of the

equipment catoryation Calibrate the ingation system and injector before applying METHOMYL 29LV INSECTICIDE Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, explipment manufacturer or other experts.

#### Monitoring of Chemication Applications

composed of materials to prevent deterioration and maintain legibility for the duration of the

composed of materiats to prevent deterioration and maintain tegrotety for the duration of the postising period. All words shall consist of letters at least 2.1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT".

"KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER", Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Oparation

Start the water pump and sprinkler, and let the system achieve the desired prassure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per store in a uniform manner. When the application is finished, allow the entire injection and injector system to be thoroughly flushed clean before apopring the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not

provide uniform application and coverage.

It is recommended that nozzles in the investment are of control panels, chemical supply tanks, well-tended and system safety devices be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings teak or when nozzles do not provide uniform.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Corault your lower's manual or your local equipment dealer for cleanous procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopersed package at once to Selfer for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.



RE: WITH ATTACHMENT: need revised label for methomyl 83100-27

Frank Sobotka to: Thomas Harris Cc: Frank Sobotka Ph.D., Jim Botti 08/09/2011 04:50 AM

Sorry for the delay, I have corrected the labels per your email and combined the Section 3 with the 3 supplementals into one "Master

Label". Let me know if I need to make any further changes. Regards,

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502

\*Personal privacy information\*

\*Personal privacy information\*

From:

To: harris.thomas@epamail.epa.gov

Subject: RE: WITH ATTACHMENT: need revised label for methomyl 83100-27

Date: Fri, 5 Aug 2011 10:11:17 -0400

Tom, working on this, and targeted to have the combined revised Master Label to you late afternoon on Monday. Regards,

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238 PH: 215 497-9501 FX: 215 497-9502

- > Subject: WITH ATTACHMENT: need revised label for methomyl 83100-27
- > To:
- > From: harris.thomas@epamail.epa.gov
- > Date: Thu, 4 Aug 2011 13:00:23 -0400

> >

- > Too fast on the trigger. Here's the Dupont label:
- > (See attached file: 000352-00384.20101208.delete grapes.amd.a.stamped
- > label.ocr.pdf)
- >
- > Tom Harris
- > EPA/OCSPP/OPP/RD/IRB
- > voice: (703) 308-9423
- > fax: (703) 308-0029
- > harris.thomas@epa.gov
- > visit http://www.epa.gov/pesticides
- > ---- Forwarded by Thomas Harris/DC/USEPA/US on 08/04/2011 12:58 PM
- > -----

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> From: Thomas Harris/DC/USEPA/US
> To: Frank Sobotka
> Date: 08/04/2011 12:58 PM
> Subject: need revised label for methomyl 83100-27
>
> Dr. Sobotka.
> I have your three applications to add supplemental labeling for
> chemigation application on certain crops to your Rotam Methomyl 29LV reg
> # 83100-27 product. These are copying the supplementals as they appear
> with 352-384.
> The general concept is fine but I need a single revised label with
> corrections listed below. Please make these changes and email a single
> text .pdf for the resulting master label.
> 1) Combine all three supplementals along with existing full label into
> a large Master label. The master label will consist of the normal full
> label plus extra pages with the three supplemental labels. This single
> master label will be stamp as one unit. Note: Let me know if you also
> need each supplemental label stamped on it's own. I can do that if
> needed. My cover letter will explain the master label = full + 3
> supplementals.
>
> 2) On existing full label:
> replace - "Do not apply thru Drip Chemigation unless accompanied by
> Rotam Supplemental Labeling." on page 7 of current label
> with - full chemigation paragraph at start of General Information
> section on page 3 of 352-384 (attached below).
> 3) On existing full label:
> add succulent beans, dry beans, succulent peas, and sweet corn to list
> in section header on page 11 "CHEMIGATION Instructions for the Use of
> ROTAM METHOMYL 29LV on Alfalfa, Barley, Oats, Green and Dry Bulb Onions,
> Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler
> Chemigation". You already have them all listed in the sentence a little
> further on.
> 4) On the green and dry bulb onion supplemental labeling:
> optional - 352-384 has a sentence in application information about
> adjusting pH to below 5 (page 1 of supplemental). You can add this text
> if you feel it applies to your product. I'm not really sure why it's on
> the Dupont label so I leave it to you to decide if this is something you
> need.
>
> Give me a call if you have any questions. Email me a single text .pdf
> of the master label (full + supplementals).
> Tom Harris
> EPA/OCSPP/OPP/RD/IRB
> voice: (703) 308-9423
> fax: (703) 308-0029
> harris.thomas@epa.gov
```



Re: Methomyl Label changes Thomas Harris to: Frank Sobotka

Cc: harris thomas

04/01/2011 02:37 PM

Hmmm. Interesting question and perhaps a negative reason to move SLNs to Sec 3 labels.

No one I can check with today so I'll take a stab at this and then confirm on Monday.

If a use is on Dupont label, even as Supplemental label, then you can copy it. I would request that you keep the Dupont Supplements as Rotam Supplementals and not work into main Sec 3 label. Also, VERY IMPORTANT, maintain any state restrictions on the Supplementals. As I mentioned, these start as SLNs and then Dupont move them to Sec 3. I'm not wild about that but it's ok as long as you maintain state limitation, eg. only for use in CA.

I'm not sure about the peas/beans and sweet corn. Yes, I see them in the general section but not on the main Sec 3 and I don't see any Supplementals on the latest Sec 3 (another reason to leave them as SLNs!- easier to track). I'll have to get back to you on this. Need to make sure we did not intentionally delete them and just missed the reference in the general section.

Tom Harris EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423

fax: (703) 308-0029 harris.thomas@epa.gov

visit http://www.epa.gov/pesticides

Frank Sobotka

Tom, thanks for your comments. I do not want t...

04/01/2011 01:46:33 PM

From: To: Frank Sobotka

Thomas Harris/DC/USEPA/US@EPA

Date: 04/01/2011 01:46 PM
Subject: Methomyl Label changes

\*Personal privacy information\*

Tom, thanks for your comments. I do not want to bother you on your day off, however, just one question and I will have all back to you on Monday.

The Dupont supplemental use directions for Chemigation (excluding drip chemigation) are now on the Revised Dupont label, therefore Rotam can add them to their label without supplementa labeling.

I cross referenced all of the overhead Chemigation Supplementals Dupont has, and, all are now on their section 3 label. However, in the case of Peas/beans and sweet corn, the reference to overhead chemigation is not showing in the case of these three specific crops in the rate and timing table, as in the case of the other chemigation approved crops? Under General Information it states that chemigation can be used for Peas/Beans and corn, but the actual application information is missing from the use rate table as is listed for other crops approved for use of overhead chemigation. I think this is just an oversight in the case of Dupont. My question is: Can I add the chemigation application information directions under Peas/beans and sweet corn, on the two Rotam labels?

Dr. Frank E. Sobotka, Senior Partner IPM Resources LLC 4032 Crockers Lake Blvd. Suite 818 Sarasota, FL 34238

PH: 215 497-9501 FX: 215 497-9502



## WITH ATTACHMENT: need revised label for methomyl 83100-27

Thomas Harris to: Frank Sobotka

08/04/2011 01:00 PM

\*Personal privacy information\*

Too fast on the trigger. Here's the Dupont label:



000352-00384.20101208.delete grapes.amd.a.stamped label.ocr.pdf

Tom Harris

EPA/OCSPP/OPP/RD/IRB

voice: (703) 308-9423 fax: (703) 308-0029

harris.thomas@epa.gov visit http://www.epa.gov/pesticides

---- Forwarded by Thomas Harris/DC/USEPA/US on 08/04/2011 12:58 PM -----

From:

Thomas Harris/DC/USEPA/US

To:

Frank Sobotka

Date:

08/04/2011 12:58 PM

Subject:

need revised label for methomyl 83100-27

Dr. Sobotka,

I have your three applications to add supplemental labeling for chemigation application on certain crops to your Rotam Methomyl 29LV reg # 83100-27 product. These are copying the supplementals as they appear with 352-384.

The general concept is fine but I need a single revised label with corrections listed below. Please make these changes and email a single text .pdf for the resulting master label.

1) Combine all three supplementals along with existing full label into a large Master label. The master label will consist of the normal full label plus extra pages with the three supplemental labels. This single master label will be stamp as one unit. Note: Let me know if you also need each supplemental label stamped on it's own. I can do that if needed. My cover letter will explain the master label = full + 3 supplementals.

2) On existing full label:

replace - "Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling." on page 7 of current label

with - full chemigation paragraph at start of General Information section on page 3 of 352-384 (attached below).

3) On existing full label:

add succulent beans, dry beans, succulent peas, and sweet corn to list in section header on page 11 "CHEMIGATION Instructions for the Use of ROTAM METHOMYL 29LV on Alfalfa, Barley, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler Chemigation". You already have them all listed in the sentence a little further on.

4) On the green and dry bulb onion supplemental labeling: optional - 352-384 has a sentence in application information about adjusting pH to below 5 (page 1 of supplemental). You can add this text if you feel it applies to your product. I'm not really sure why it's on the Dupont label so I leave it to you to decide if this is something you need.

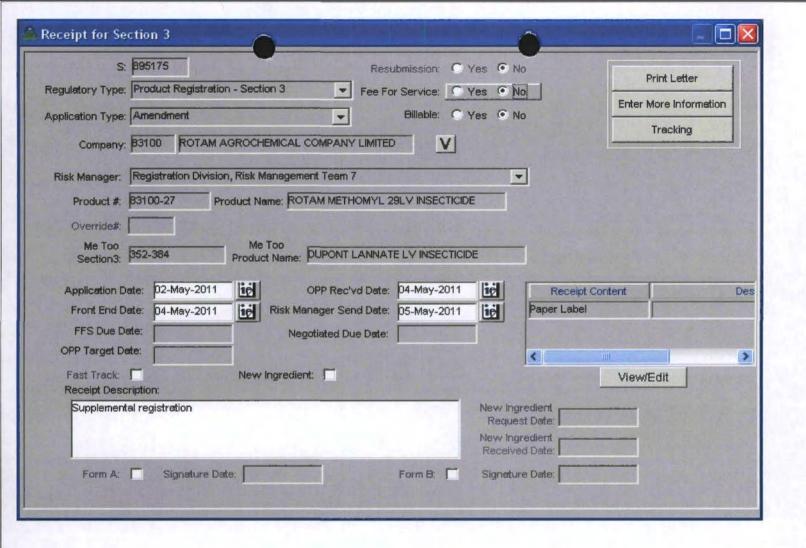
Give me a call if you have any questions. Email me a single text .pdf of the master label (full + supplementals).

Tom Harris

EPA/OCSPP/OPP/RD/IRB voice: (703) 308-9423

fax: (703) 308-0029 harris.thomas@epa.gov 

EP/	A Reg. Number: 83/00-27 EPA Receipt Date: 5	4/	// Yes	No	N
1	Application Form (EPA Form 8570-1) -signed?		X		9,110, 33
2	Confidential Statement of Formula (EPA Form 8570-29) - signed?				X
3	Certification with Respect to Citation of Data (EPA Form 8570-34) signed?		1	X	X
4	Formulator's Exemption Statement (EPA Form 8570-27) - signed?		1		X
5	Data Matrix (EPA Form 8570-35) [Applicable, for adding me-too uses]  a) Selective Method?  b) Cite-All Method? Applicant owns data or list only the companies offered to pay  c) Public copy of Matrix provided? See PR Notice 98-5				<del>-</del>
	Is Label Included? (5 copies)	X			i
	MULTITUE SUPPLEMENTAR LABORS.				





# WASHINGTON, D.C. 20460

May 5, 2011

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FRANK E. SOBOTKA, PH.D.
IPM RESOURCES LLC
ROTAM AGROCHEMICAL COMPANY LIMITED
7/F CHEUNG TAT CENTRE
4032 CROCKERS LAKE BLVD., STE 818
SARASOTA, FL 43238-

PRODUCT NAME: ROTAM METHOMYL 29LV INSECTICIDE

COMPANY NAME: ROTAM AGROCHEMICAL COMPANY LIMITED

OPP IDENTIFICATION NUMBER: EPA FILE SYMBOL: 83100-27 EPA RECEIPT DATE: 05/04/11

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 7, at (703) 308-6249.

Sincerely,

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

# Fee for Service

{895175B~

This package includes the following	for Division				
New Registration	O AD				
• Amendment	○ BPPD ○ RD				
□ Studies? □ Fee Waiver? □ volpay % Reduction:	Risk Mgr. 7				
Receipt No. S-	895175				
EPA File Symbol/Reg. No.	83100-27				
Pin-Punch Date:	5/4/2011				
This item is NOT subject t	o FFS action.				
Action Code:	Parent/Child Decisions:				
Requested:  Granted:  Amount Due: \$	Non-Pee				
Inert Cleared for Intended Use Reviewer: Remarks:	Uncleared Inert in Product  Date: 5 5 11				



4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

## VIA UPS EXPRESS

hebert.john@epa.gov

[REF. 2 1-703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT:

Application for Supplemental Registration

Rotam Methomyl 29LV Insecticide

EPA Reg. No. 83100-27

Dear Mr. Hebert:

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through drip irrigation for Green and Dry Bulb Onions in the States of ID, NV, OR, UT, WA.

The following are enclosed in this submission:

Administrative Materials: (MRID No.:

- Transmittal Form (EPA Form 8570-1
- Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistance with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Frank E. Sobotka, Senior Partner

IPM Resources ELC (Agent)

SEPA Environmental Protection A Washington, DC 20460				jency		Registrate Amendm Other		OPP Ide	ntifier Number
		Application	n for Pestic	ide - Sec	tion	I			
Company/Product Number     Rotam Agroche	emical Company Ltd	/ 83100		Product Mar Hebert	nager		3. Pr	oposed Cla	ssification  Restricted
Company/Product (Name)     Rotam Methomyl 29LV Insecticide			PM#	7				J	
5. Name and Address of Ap ROTAM Agrochemical Comp C/O IPM Resources LLC (Ag 4032 Crockers Lake Blvd., S Sarasota, FL 34238	pany Limited gent)	le)	(b)(i), to: EPA		is sim		cal in co		ection 3(c)(3) and labeling
			Section -						
Notification - Explain  Explanation: Use addition  Submission of Application Use Directions for Green	nal page(s) if necessary	. (For section	Rotam Methomyl		olain be	83100-27).	Γ, WA).		
			Section -	III					
1. Material This Product Wi	Il Be Packaged In:								
Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes V No If "Yes" Unit Packaging wgt.	No. per container	Water Soluble   Yes   No   If "Yes"   Package wgt	Packaging No. per containe	ır	2. Type of C	ontainer Metal Plastic Gless Peper Other (S		
3. Location of Net Contents Information  4. Size(s) Retail Container  1 qt, 1 gal, 2.5				l , bulk	5. Lo	cation of Labe	l Directio	ons	
6. Manner in Which Label is	Affixed to Product	Lithogr		Othe	r				
Printed or			Section - I	V					
Printed or			n of individual to t	e contacted,	if nec	essary, to pro-	cess this	application	n.J
Printed or  1. Contact Point (Complete	items directly below fo	r identificatio	The state of the s		Telephone No. (Include Area Code 215 497-9501				

Frank E. Sobotka, Ph.D.

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

2-Signature

May 02, 2011

Yellow - Applicant Copy

3. Title Agent

5. Date

# **Supplemental Labeling**

# Green and Dry Bulb Onions

## **ROTAM METHOMYL 29LV INSECTICIDE**

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION
IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND
WASHINGTON

## Restricted Use Pesticide

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

## **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

#### IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

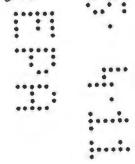
## **General Information**

METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing

Rotam METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Manufactured by: Rotam Agrochemical company Ltd. 7F, Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong



Page 1 of 4

Code (TBA)

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

## Instructions for the Use of METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

## **Chemigation Systems**

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

## **General Directions for Drip Chemigation**

## General Drip Guidance

- Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone.
  Place the tape either under each row or within each bed at the minimum depth that allows planting. The
  goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
- Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMYL 29LV INSECTICIDE comes out of each emitter.
- Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
- 4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
- 5. When the drip tape is located between two single or double rows of onions, begin injection of METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer row and not left in the area around the emitter.
- Applications should be made before pests reach thresholds.
- 7. Drip chemigation works best when fields are relatively flat.
- 8. The tape flow rate should be matched to the soil type, crop and climate. Too much flow can result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more information.

Preparation	
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Page 2 of 4

Code (TBA)

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

### **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

**Monitoring of Chemigation Applications** 

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the imigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure

Page 3 of 4

zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

## Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

## Operation

Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

## Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

## **IMPORTANT**

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Page 4 of 4



4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

## VIA UPS EXPRESS

hebert.john@epa.gov

[REF. # 1-703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Application for Supplemental Registration

Rotam Methomyl 29LV Insecticide

EPA Reg. No. 83100-27

Dear Mr. Hebert:

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through overhead irrigation on succulent beans, dry beans and succulent peas in the states of ID, MT, NV, OR, UT, and WA.

The following are enclosed in this submission:

Transmittal Form (EPA Form 8570-1

Administrative Materials: (MRID No.:

Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistance with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Frank E. Sobotka, Ph.D.
Senior Partner
IPM Resources LLC (Agent)

Please read instructions on rev	United States	Form A		MB No. 2070-0 gistration	OPP Identifier Number	
<b>SEPA</b> ■	nvironmental Protecti			nendment		
	Washington, DC 20	460	✓ Ot	her		
	Applicati	on for Pesticide - Se	ction I			
Company/Product Number     Rotarn Agrochem	ical Company Ltd / 83100	2. EPA Product Ma John Hebert	2. EPA Product Manager John Hebert			
4. Company/Product (Name) Rotam Methomyl 29LV In	secticide	PM# 7			None Restricted	
5. Name and Address of Application ROTAM Agrochemical Company C/O IPM Resources LLC (Agent 4032 Crockers Lake Blvd., Suite Sarasota, FL 34238  Check if this is	Limited ) 818		352-384	or identical in	vith FIFRA Section 3(c)(3) composition and labeling	
		Section - II				
Notification - Explain bei	page(s) if necessary. (For section "Supplemental Registration" Sprinkler Irrigation application	Other - Exon I and Section II.)  Rotam Methomyl 29LV Insect	Application Application splain below, ticide (8310 eans and St	0-27).	(ID, MT, NV, OR, UT, WA)	
		Section - III				
1. Material This Product Will Be	Peckaged In:					
Yes No * Certification must	nit Packaging  Yes  ✓ No  "Yes"  No. per container	Water Soluble Packaging  Yes  ✓ No  If "Yes" No. per Package wgt contain		Type of Contai	al tic s	
be submitted		0 1				
3. Location of Net Contents Info  ✓ Label	7.0 - 3.0 5	tail Container gal, 2.5 gal, 15 gal , bulk	5. Locatio	n of Label Dire	ictions	
6. Manner in Which Label is Aff Printed or glu	ixed to Product Lithough Peper Stend	graph Oth glued illed	or			
		Section - IV				
1. Contact Point (Complete itel	ms directly below for identification	on of individual to be contacted	l, if necessal	ry, to process	this application.)	
Name Frank E. Sobotka, Ph.D.		Title Agent				

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and completes I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

3. Title Agent

5. Date

May 02, 2011

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

2. Signature

Frank E. Sobotka, Ph.D

White - EPA File Copy (original)

Yellow - Applicant Copy

6. Date Application Received

(Stamped)

# Supplemental Labeling

## Succulent Peas Succulent Beans Dry Beans

## **ROTAM METHOMYL 29LV INSECTICIDE**

EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

## Restricted Use Pesticide

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

## **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

## IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

## **General Information**

METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

## Application Information, Rates and Timing

Rotam METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, loopers, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar and green cutworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong

Page 1 of 4

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

**Types of Irrigation Systems** 

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

## **General Directions for Chemigation**

Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

### **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for

Page 2 of 4

cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

## **Required System Safety Devices**

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the inigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

## Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Page 3 of 4

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.

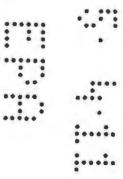
Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

## Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.



Page 4 of 4



4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

## VIA UPS EXPRESS

hebert.john@epa.gov

[REF. # 1-703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT:

Application for Supplemental Registration

Rotam Methomyl 29LV Insecticide

EPA Reg. No. 83100-27

Dear Mr. Hebert:

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through overhead irrigation on Sweet Corn in the states of CO and NM.

Administrative Mate	erials: (MRID No.:	)

Transmittal Form (EPA Form 8570-1

The following are enclosed in this submission:

Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistance with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Senior Partner

IPM Resources LLC (Agent)

United States Environmental Protection Ag Washington, DC 20460						Registra Amenda Other		OPP Identi	OPP Identifier Number	
	Appl	lication for F	esticio	le - Sec	tion					
Company/Product Numb     Rotam Agroch	er emical Company Ltd / 83	100	2. EPA Product Manager John Hebert				3. Pr	sification  Restricte		
4. Company/Product (Name Rotam Methomyl 29L			PM# 7					None		
ROTAM Agrochemical Com C/O IPM Resources LLC (A 4032 Crockers Lake Blvd., S Sarasota, FL 34238	gent)		(b)(i), m to: EPA R		352-	lar or ident	tical in co	FIFRA Section a		
		Sect	ion - Il							
Notification - Explain  Explanation: Use addition  Submission of Application	ponse to Agency letter dated	r section I and Sec ation" Rotarn Met	homyl 29		er date Applicat	d tion. ow.	e to			
		Secti	on - II							
1. Material This Product W	ill Be Packaged In:									
Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.	7	wgt	No. per container		2. Type of	Metal Plastic Glass Paper Other (S			
3. Location of Net Contents		e(s) Retail Contain 1 qt, 1 gal, 2.5 ga	or	, bulk	5. Loc	ation of Lat	el Directio	ons		
6. Manner in Which Label is Printed o	Affixed to Product	Lithograph Paper glued Stenciled		Other					_	
	,=-		on - IV	,						
1. Contact Point /Complete	items directly below for iden	tification of individ	lual to be	contacted,	if nece	sary, to pr	ocess this	application.)		
Name Frank E. Sobotka, Ph.	D.	Title Agent					Telephone	No. (Include 7-9501**	Area Code)	
I certify that the state I acknowledge that a both under applicable	ements I have made on this fo ny knowlinglly false or mislead	ertification orm and all attachn ding statement ma	nents the y be puni	reto ere true shable by fir	, accur ne or in	ate and comprisonmen	mplete. t or	6. Date App Received (Ster		

Agent

5. Date

May 02, 2011

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

Frank E. Sobotka, Ph.D.

White - EPA File Copy (original)

Yellow - Applicant Copy

## Supplemental Labeling Sweet Corn

## **ROTAM METHOMYL 29LV INSECTICIDE**

EPA Reg. No. 83100-27

# FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

## Restricted Use Pesticide

**Due to High Acute Toxicity to Humans** 

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

## **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

## IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

## **General Information**

METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

## Application Information, Rates and Timing

Rotam METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage or 21 days for stover before harvest.

Manufactured by: Rotam Agrochemical Company Ltd. 7/F/ Cheung Tat Centre 18 Cheung Lee Street Chai Wan, Hong Kong Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet com. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

## General Directions for Chemigation

## Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

## **Uniform Water Distribution**

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

**Monitoring of Chemigation Applications** 

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

 The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

Page 2 of 4

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  located on the intake side of the injection pump and connected to the system interlock to prevent fluid
  from being withdrawn from the supply tank when the irrigation system is either automatically or
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There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

## Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

## Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellfleads and system safety devices be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

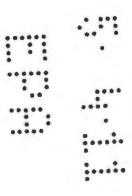
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Page 3 of 4

Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.



Page 4 of 4

Please read instructions on	reverse before d	leting form.		Form Ap	pro	OMB No.	2070-006	O. Approval expires 2-28-9	
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		Application	on for Pestic	ide - Sec	tion	Ī.			
Company/Product Numb     Rotam North A	er America Inc./8397	9-27-		Product Man Hebert	neger		3. Pr	oposed Classification	
Company/Product (Name)     Nudrin LV Insecticide			PM#	7				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
5. Name and Address of Ap ROTAM North America, Inc. C/O IPM Resources LLC (Address Lake Blvd., S Sarasota, FL 34238	gent)	Codel	(b)(i), to: EPA					FIFRA Section 3(c)(3) imposition and labeling	
			Section -					<del>=</del>	
Amendment - Explain Resubmission in res Notification - Explain Explanation: Use addition Submission of Final Print	ponse to Agency let n below. onal page(s) if necess	sary. (For section		Agency lett "Me Too"  Other - Exp	ter det Applica	ation.	04	/05/2011	
1. Material This Product W	ill De Deskroad lo		Section -	111					
Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging  Yes  No  If "Yes" Unit Packaging w	No. per gt. container	Water Soluble  Yes  ✓ No  If "Yes"  Package wgt	Packaging No. per contains	r	2. Type of	Motel Plestic Gless Paper Other (S		
	Container	4. Size(s) Ret 2x2.5	gal/case/55 gal	Drum	S. Lo	cation of La	bel Direction	ons	
6. Manner in Which Lebel is Printed or		✓ Lithogr Paper Stenci		Other	r				
			Section -	V					
1. Contact Point   Complete	items directly below	v for identification	n of individual to	e contacted,	if nec	essary, to p	rocess this	application.)	
Frank F Cohotica Dh D			Title Agent	. 55.2			34-20-07	hone No. (Include Area Code) 497-9501	
I certify that the state I acknowledge ther a both under applicable	ny knowlingly false	or misleeding sta	all attachments th					6. Deta Application Received (Stamped)	
2. Signature	10/00	the	Agent S. Date				_		
Frank E. Sobotka, Ph.I	olt		Ju	y 06, 2011					

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated

## RESTRICTED USE PESTICIDE

**DUE TO HIGH ACUTE TOXICITY TO HUMANS** 

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE



## INSECTICIDE

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient

Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)

Other Ingredients

TOTAL

By Weight

29%

71%

Contains Methanol

Packaged in Non-refillable Plastic Containers

EPA Reg. No. 83100-27-83979 EPA Est. No.: 5905-GA-01

NUDLV-01-R0311-55G Manufactured for: ROTAM NORTH AMERICA, INC. 1400 NW 107th Avenue, Suite 310 Miami, FL 33172

1-866-927-6826

Net Contents: 55 GALLONS (208.19 liters)

Non-refillable Plastic Container



Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

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#### FIRST AID

### (CONTAINS AN N-Methyl Carbamate Insecticide THAT INHIBITS CHOLINESTERASE)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

#### ATROPINE IS AN ANTIDOTE - SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

**POISONING SYMPTOMS** — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

#### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

**TREATMENT** — Alropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg, intravenously every 10 to 30 minutes until full alropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to NUDRIN LV INSECTICIDE alone. However, for exposure to combinations of NUDRIN LV INSECTICIDE and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## **KEEP OUT OF REACH OF CHILDREN**





POISON

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below if you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- · Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- · Socks and chemical resistant footwear.
- · Protective eyewear.
- · Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a
  canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or
  a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them, Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROL STATEMENTS**

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

## USER SAFETY RECOMMENDATIONS USERS SHOULD:

- S SHOULD:
  Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- · Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- · As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

## PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Keep container closed, Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

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## **DIRECTIONS FOR USE**

**Restricted Use Pesticide** 

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- · Chemical-resistant gloves, such as barrier laminate or butyl rubber.
- Shoes plus socks.
- Protective evewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products without written permission from Rotam.

NUDRIN LV INSECTICIDE should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling. Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.

NUDRIN LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect peats. NUDRIN LV INSECTICIDE is mixed with water for application.

Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling.

Pilots must not assist in the mixing and loading operations

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer zone to 450 feet from the above aquetic areas when ultra low volume application is made.

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhead sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

#### RESISTANCE MANAGEMENT

For resistance management, NUDRIN LV INSECTICIDE is a group 1A insecticide. Repeated and exclusive use of NUDRIN LV INSECTICIDE or other group 1A insecticides may lead to the build-up of resistant strains of insects in some crops. Not all members of this group have been shown to be cross-resistant. Different resistance mechanisms that are not linked to target site of action, such as enhanced metabolism, are common for this group of chemicals. Alternation of compounds from different sub-groups within this group may be an acceptable part of an integrated pest management program.

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, atternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at <a href="http://www.irac-online.org">http://www.irac-online.org</a>.

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## INTEGRATED PEST MANAGEMENT

This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

#### SCOUTING

Monitor insect populations to determine whether or not there is a need for application of NUDRIN LV INSECTICIDE based on locally determined economic thresholds. More than one treatment of NUDRIN LV INSECTICIDE may be required to control a population of pests.

## **BENEFICIAL ARTHROPODS**

NUDRIN LV INSECTICIDE at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

## SPRAY PREPARATION

Spray equipment must be clean and free of previous pesticide deposits before applying NUDRIN LV INSECTICIDE.
Fill spray tank 1/4 to 1/2 full of water. Add NUDRIN LV INSECTICIDE directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means, do not use air agitation. Spray mix should not be stored overnight in spray tank.

Compatibility - Since formulations may be changed and new ones introduced, in this situation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated spray

Do not use NUDRIN LV INSECTICIDE with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenyltin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mix Sequence - Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

- 1. Water soluble bags.
- 2. Water dispersible granules.
- 3. Wettable powders.
- Water based suspension concentrates.
- 5. NUDRIN LV INSECTICIDE and other water soluble concentrates.
- 6. Oil based suspension concentrates.
- Emulsifiable concentrates.
- 8. Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow local practice and manufacturer's recommendation.

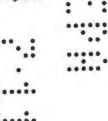
## **APPLICATION**

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of NUDRIN LV INSECTICIDE should be applied, as needed, to keep pest populations within threshold limits. On most crops, NUDRIN LV INSECTICIDE should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop lables for more specific information. on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since NUDRIN LV INSECTICIDE is a fast acting contact insecticide, best results follow direct spraying of the terget insect.

For serial, use a minimum of 2 gals, per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.



NUDRIN LV INSECTICIDE is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton\* and soybeans\* and 1 gpa for the crops listed below providing the following conditions are met:

- equipment is adjusted to distribute spray uniformly over the spray swath,

- wind conditions and other factors such as temperature and humidity are such that the spray is delivered to the target area,

- local regulations do not prohibit low-volume aerial sprays,

- use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa Celery Peas (succulent) Collards Peppermint Anise Corn Asparagus Peppers tton Potato Barley ucumber Beans Rve Broccoli Lettuce Sovbean Melons Brussels sprouts Spinach Cabbage Mint. Sugar beet Qats Summer Squash Carrot Cauliflower Peanuts Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

## **SPRAY TANK CLEANOUT**

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of wasternise water in accordance with local regulations.

### CHEMIGATION

Instructions for the Use of NUDRIN LV INSECTICIDE on Affaifa, Barley, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler Chemigation

Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling.

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet com and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in supplemental labeling.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of NUDRIN LV INSECTICIDE as high as possible in the application. Apply NUDRIN LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

NUDRIN LV INSECTICIDE is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of NUDRIN LV INSECTICIDE should take place when the insects are active and most likely to come into direct contact with the application.

Types of Irrigation Systems:

NUDRIN LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply NUDRIN LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this product label.

#### General Directions for Chemigation: Preparation

A pesticide tank is recommended for the application of NUDRIN LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of NUDRIN LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of NUDRIN LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

1/2 of the desired amount of water. build not be stored

<sup>\*</sup> Not Registered for aerial application in a diluted volume of less than 1 gal in CA.

Injection Into Chemigation Systems

Inject the proper amount of the NUDRIN LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

#### **Uniform Water Distribution**

The irrigation system used for application of NUDRIN LV INSECTICIDE must provide for uniform distribution of NUDRIN LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

**Equipment calibration** 

Calibrate the irrigation system and injector before applying NUDRIN LY INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

**Monitoring of Chemigation Applications** 

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repeirers of application equipment when making edjustments or repairs on the chemigation system when NUDRIN LV INSECTICIDE is in the irrigation water.

**Required System Safety Devices** 

Do not connect any imagrion system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

- 1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump
- 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrewn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are competible with pesticides and capable of being fitted with a system interlock.
- 7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, beckflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER".

Posting for chemigation does not replace other posting and reentry requirements for farm worker safety

#### Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner, Apply NUDRIN LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

#### Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

#### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- 1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the AerialDriftReductionAdvisoryInformation.

## **AERIAL DRIFT REDUCTION ADVISORY INFORMATION**

#### **Importance of Droplet Size**

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

### Controlling Droplet Size - General Techniques

- · Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration.
   WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- Mozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets.
   Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

#### Controlling Droplet Size - Aircraft

- . Number of Nozzles Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the
  recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types
  and the lowest drift.
- Boom Length For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- Application Height Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety, Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- Swath Adjustment When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of
  the fields, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with
  increasing drift potential (higher wind, smaller drops, etc.)

### **BOOM HEIGHT**

Setting the boom at the lowest (abeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### WIND

Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential, AVOID GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### **TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **SENSITIVE AREAS**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

### AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS

Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift.

Adjust deflectors and aiming devices so that spray is only directed into the canopy

Block off upward pointed nozzles when there is no overhanging canopy.

Use only enough air volume to penetrate the canopy and provide good coverage.

Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

### **CROP AND RATE TABLES**

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1 1/2 - 3	7*	48 hrs
	Alfalfa Weevil Larvae	3		
	Variegated Cutworm	3/4 - 3		1
Anise (Fennel)	section for more information.  * Do not apply within 7 days of cutting or allowing livestoc  Cabbage Looper	k to graze.	7	48 hrs
, , , , , , , , , , , , , , , , , , , ,	Beet Armyworm	1 1/2 - 3	7	1
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.			1
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Green Fruitworm Tamished Plant Bug Codling Moth	1 1/2 - 3 *	14	72 hrs
	(10-12 day spray intervals)  Leafrollers (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm	3*		
	Do not use on Early Macintosh & Wealthy varieties Do not apply more than 15 pints of NUDRIN LV INSECTIO Do not make more than 5 applications per crop; minimum * Apply in a minimum of 50 gallons of water per acre.		is 7 days.	

	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Asparagus	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of NUDRIN LV IN Do not make more than 8 applications per crop.	SECTICIDE per acre per crop.		
Avocado	Western Avocado Leafroller Omnivorous Looper	1 1/2 - 3	1	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INS Do not make more than 2 applications per crop.	ECTICIDE per acre per crop.		
Barley	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	*Cereal leaf beetle: NUDRIN LV INSECTICIDE car applied according to label directions. Application sl eggs or in anticipation of egg hatch to achieve may registered in California.	hould be timed to correspond with the	ne appearance of newly laid	
	(such as, extreme temperatures or drought). Applic population is low (<10 adults per stem).		d to begin when the aphid	
Beans (Succulent)	(such as, extreme temperatures or drought). Applic			48 hrs
Including: Kidney	(such as, extreme temperatures or drought). Applic population is low (<10 adults per stem). Leafhopper	cations on Russian wheat aphid nee	d to begin when the aphid  Succulent Beans -	48 hrs
Including: Kidney Lima Mung Navy Pinto Snap Wax Broad Fava Asparagus	(such as, extreme temperatures or drought). Applic population is low (<10 adults per stem).  Leafhopper Mexican Bean Beette  Fall Armyworm	ations on Russian wheat aphid nee	Succulent Beans - 3/4 - 1 1/2 pts - 1,	48 hrs
Including: Kidney Lima Mung Navy Pinto Snap Wax Broad Fava	(such as, extreme temperatures or drought). Applic population is low (<10 adults per stem).  Leafhopper Mexican Bean Beetle  Fall Armyworm Variegated Cutworm  Beet Armyworm Com Earworm Saltmarsh Caterpillar Yellowstriped Armyworm Westem Yellowstriped Armyworm Lygus Bugs Thrips Aphids	3/4 – 3	Succulent Beans - 3/4 - 1 1/2 pts - 1, over 1 1/2 pts 3; 3 - Vines	48 hrs

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per scre per crop.  Do not make more than 10 applications per crop.  Do not use for Loopers in AL & GA.  *Do not apply within 14 days of cutting.			
Beets (Table)	Imported Cabbageworm	3/4 - 3	0 - roots 10 -tops	48 hrs
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2 - 3		
	Cucumber Beetle Variegated Cutworm	1 1/2		
	Do not apply more than 12 pints of NUDRIN LV INS Do not make more than 8 applications per crop.	ECTICIDE per acre per crop.		
Bermudagrass pasture	Fall Armyworm Armyworm Striped Grass Looper	3/4 - 3	7 - Forage * 3 - Dehydrated Hay **	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.  * Do not apply within 7 days of feeding forage or allowing livestock to graze.  ** Do not apply within 3 days of cutting for hay.			
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1 1/2	3	48 hrs
	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 - 3		
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3		
	Blueberry Maggot	3/4 - 1 1/2		
	Do not apply during bloom.  Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.  * For ground use only.			
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**		
	Do not apply more than 21 pints of NUDRIN LV INS Do not make more than 10 applications per crop; m ** Add a wetting agent to improve coverage.		is is 2 days.	

Crops	Insects	Rate NUDRIN LV IMSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop; minimum interval between treatments is 2 days.  ** Add a wetting agent to improve coverage.			
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	1	48 hrs
	Imported Cabbageworm	3/4 - 3 **	1	1
	Variegated Cutworm	1 1/2 **	1	1
	Do not apply more than 24 pints of NUDRIN LV INS Do not make more than 15 applications per crop; m  * Do not use for Loopers in AL & GA.  ** Add a wetting agent to improve coverage.  Beet Armyworm		ts is 2 days.	48 hrs
Carrot	Armyworms Aster Leafhopper	1 1/2 - 3		46 nr
	Variegated Cutworm	3/4 - 1 1/2		1
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.			
Cauliflower	Imported Cabbageworm	3/4 - 3 **	3	48 hrs
	Loopers Diamondback Moth	1 1/2 – 3 **		-
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop; minimum interval between treatments is 2 days.  ** Add a wetting agent to improve coverage.			
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hr
	Loopers	3		
	Variegated Cutworm	1 1/2		
	Armyworms	3/4 - 3	52	1
	Do not apply more than 24 pints of NUDRIN LV INS Do not make more than 10 applications per crop.	ECTICIDE per acre per crop.		
Chicory	Best Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hr
	Do not apply more than 6 pints of NUDRIN LV INSE Do not make more than 2 applications per crop.	CTICIDE per acre per crop.		1

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hrs
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  * Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
Collards (Fresh market only)	Diamondback Moth Variegated Cutworm	1 1/2	10	48 hr
	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3		
	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10° tall. Do not apply more than 18 pints of NUDRIN LV INS Do not make more than 8 applications per crop. * Do not use for Loopers in AL & GA.	SECTICIDE per acre per crop		
Corn (Field, Popcom & Seed)	Earworm — (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Stover*	48 hrs
	Variegated Cutworm, Beet Armyworm	1 1/2		
	Do not apply more than 7.5 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  *Corn forage is green actively growing plants that are harvested with the ears intact. The plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals.			
Corn (Sweet)	Earworm-Whorl as needed	1 – 1 1/2	0 -Ears	48 hrs
	Fall Armyworm Armyworm, (Ovicide/Larvicide) European Corn Borer -Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 - 1 1/2	3 - Forage 21 - Stover	
	Variegated Cutworm Beet Armyworm	1 1/2		
	Certain hybrid varieties of sweet corn are susceptite.  Treat a small area to determine crop safety before to not apply more than 21 pints of NUDRIN LV INS Do not make more than 28 applications per crop; m	full scale spraying. SECTICIDE per acre per crop.	is is 1 day.	

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cotton – All US	Ovicide/Larvicide - Bollworm Tobacco Budworm (Initiate schedule when significant numbers of eggs are present. Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.) Lygus Bugs/Plant Bugs (adults and nymphs) Start treatment on low level population for suppression.	2/5 - 3/4 (see Insect Predator Section)	15	72 hrs
	Cotton Leafworm	3/4 - 1 1/2		
	Cotton Fleahopper (as needed)	2/5 - 3/4		
	Aphids, Thrips	3/4		
East of Rockies only	(Early Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/PlantBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	1 1/2		
	(Late Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1 1/2 2 1/4		
Texas	Cotton Aphid	3/4 – 2		
West of Rockles only	Larvicide for worms: Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 – 2 1/4		
	Cotton Leafperforator	1 – 2 1/4		
	For applications West of the Rockies, make applications or For all applications made to cotton in the United States Do not apply more than 6 pints of NUDRIN LV INSECTICID Do not make more than 8 applications per crop. Do not graze or feed.  Use may redden cotton. If excessive, stop or alternate with	: E per acre per crop.	red boll load set on plants.	

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt 1 Over 1 1/2 pt 3	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of NUDRIN LV INS Do not make more than 12 applications per crop.	SECTICIDE per acre per crop.		1
Eggplant	Green Peach Aphid	3/4 – 3	5	48 hrs
	Tomato Pinworm (Ground Application Only) Beel Armyworm Com Earworm	1 1/2 - 3		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.			
Endive, Escarole	Beet Armyworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 15 pints of NUDRIN LV INS Do not make more than 8 applications per crop.	ECTICIDE per acre per crop.		
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	Do not apply more than 9 pints of NUDRIN LV INSE Do not make more than 6 applications per crop. ** Add a wetting agent to improve coverage.	ECTICIDE per acre per crop.		
Grapefruit CA, AZ & HI only	Thrips Fruittree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.			
Horseradish (Ground	Aphids Thrips	1 1/2	65	48 hrs
application Only)	Do not apply more than 6 pints of NUDRIN LV INSE Do not make more than 4 applications per crop.	ECTICIDE per acre per crop.		1

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Vegetables: Beet (tops) Dandelions, Kale,	Beet Armyworm Cabbage Looper* Diamondback Moth Imported Cabbageworm	1 1/2 - 3	10	48 hrs
Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop.  * Do not use for Cabbage Loopers in AL & GA.			
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDR(N LV INSEC Do not make more than 4 applications per crop.	CTICIDE per acre per crop.		
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INSEC Do not make more than 2 applications per crop.	CTICIDE per acre per crop.		
Lettuce	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt. – 7 over 1 1/2 pts. – 10	48 hrs
(Head and Leaf varieties)	Thrips Aphids Beet Armyworm Cabbage Looper Com Earworm Aster Leafhopper	1 1/2 - 3		
1	Variegated Cutworm	1 1/2		
	Lettuce (head varieties) Do not apply more than 24 pints of NUDRIN LV INSE Do not make more than 15 applications per crop; mir Lettuce (leaf varieties) Do not apply more than 12 pints of NUDRIN LV INSE Do not make more than 8 applications per crop; mini	imum interval between treatment CTICIDE per acre per crop. mum interval between treatments	is 2 days.	
Melons Including: Canteloupe Casaba Santa Claus melon Crenshaw melon Honeydew melon Honey balls Persian melon Golden Pershaw melon	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pts. — 1 day over 1 1/2 pts. — 3 days	48 hrs
Mango melon Pineapple melon Sacks melos	Variegated Cutworm	1 1/2		
Snake melon Wetermelon	Do not apply more than 18 pints of NUDRIN LV INSE Do not make more than 12 applications per crop.	CTICIDE per acre per crop.		1

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
(Peppermint,	Variegated Cutworm Alfalfa Looper	3	14	48 hrs
Speamint)	Flea Beetles	2 1/4 - 3		
	Do not apply more than 6 pints of NUDRIN LV INSE Do not make more than 4 applications per crop.	ECTICIDE per acre per crop.		
Nectarine	Thrips	1 1/2 - 3	1	72 hrs
CA & AZ only	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 3 applications per crop.			
Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	the highest listed rate of NUDRIN LV INSECTICIDE section for more information.  "Cereal leaf beetle: NUDRIN LV INSECTICIDE can applied according to label directions. Application sheggs or in anticipation of egg hatch to achieve maxi registered in California.  "Aphids: For aphid control, crop must be actively g (such as, extreme temperatures or drought). Applicing low (<10 adults per stem).	provide contact ovicidal effect on could be timed to correspond with the mum ovicidal effect. Use on this pagrowing and not under stress from	pereal leaf beetle eggs when ne appearance of newly laid est stage (egg) is not currently adverse environmental conditions	
Onlons (Green & Dry	Beet Armyworm	1 1/2 - 3**	7 - Green & Dry Bulb Onions	48 hrs
Buib)	Thrips* Variegated Cutworm Black Cutworm	3**	Dry Buid Onions	
	Onions, green  Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop; minimum interval between treatments is 5 days.  Onions, dry bulb  Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop; minimum treatment interval between treatments is 5 days.  "Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation to control thrips. Begin applications before thrips populations reach 3-5 thrips per plant. For best results, use the highest rate of NUDRIN LV INSECTICIDE and a wetting agent. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.  "Add a wetting agent to improve coverage.			
	INSECTICIDE and a wetting agent. Apply in 0.1 to 0 information.		HEMIGATION section for more	
<b>Oranges</b> CA, AZ & HI only	INSECTICIDE and a wetting agent. Apply in 0.1 to 0 information.		HEMIGATION section for more	72 hrs

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at petal fall and continue in cover sprays at 7 to 10-day intervals Oriental Fruit Moth* -begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use. Green Peach Aphid	3 pt (or 3/4 pt per 100 gel up to 400 gal per acre)	4	4 days
	Do not apply more than 18 pints of NUDRIN LV INSECTIC Do not make more than 6 applications per crop.  * Oriental Fruit Moth (Ground Application Only).	IDE per acre per crop.		
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	3/4 – 3	21	48 hrs
	Beet Armyworm	1 1/4 - 3		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/2 – 3		
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 8 applications per crop.  Do not feed treated vines.  * NUDRIN LV INSECTICIDE has ovicidal and larvicidal control on com earworm.  **Soybean Looper is difficult to control. Do not apply to worms greater than 1/2" long Use higher rate for severe infestations.			
Pears Northeast only	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIT Do not make more than 2 applications per crop. *Apply in a minimum of 50 gallons of water per acre.	DE per acre per crop.		
Peas (succulent) Including: Pigeon peas Chick peas Garbanzo beans Dwarf peas Garden peas Green peas English Peas	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm	1 1/2 - 3	1 - Peas 5 Forage 14 - Hay	48 hrs
	Alfalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3		
Field peas Edible pod peas	Do not apply more than 9 pints of NUDRIN LV INSECTICION Do not make more than 6 applications per crop; minimum in Do not use for Cabbage Loopers in AL & GA.		is 3 days	
Pecans	Aphids	1 1/2 - 3	30	48 hrs
Southeast only	Do not apply more than 21 pints of NUDRIN LV INSECTIC Do not make more than 7 applications per crop.	IDE per acre per crop.		

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
Peppers Including: Bell Hot Pimentos	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm	1 1/2 – 3	3	48 hrs
Sweet	Variegated Cutworm	3/4 - 1 1/2		
	European Corn Borer	3		
	Do not apply more than 15 pints of NUDRIN LV INSE Do not make more than 10 applications per crop.	CTICIDE per acre per crop.		
Pomegranates	Omnivorous Leafroller	3	14	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 2 applications per crop.			
Potato	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 – 3	6	48 hrs
	Variegaled Cutworm Flea Beetles	1 1/2		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  Chemigation - NUDRIN LV INSECTICIDEmay be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.  *Repeat applications of NUDRIN LV INSECTICIDE on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.			
Rye	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs

Crops	Insects	Rate NUDRIN LV IMSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE
Sorghum Including: Sudangrass (except Sweet Sorghum)	Sorghum Webworm	1 1/2*	14**	48 hrs
	Sorghum Midge  -Apply when 50% bloom and 3-5 days later if needed, Fall Armyworm (Budworm) Beet Armyworm Com Earworm Armyworm	3/4 1 1/2*		
	Do not apply more than 3 pints of NUDRIN LV INSE Do not make more than 2 applications per crop. * Minimum of 10 gallons per acre by ground or 2 ga ** Do not apply within 14 days of feeding forage or	llons per acre by air.		
Soybeans	Green Cloverworm Velvetbean Caterpillar Mexican Bean Beetle Corn Earworm - Light to moderate Infestations	2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forege 12 - Hay	48 hrs
	Com Earworm - Moderate to severe infestations	3/4 - 1 1/2		
	Soybean Aphid	1/2 – 1		
	Beet Armyworm Salt Marsh Caterpillar Bean Leaf Beetle Fall Armyworm Thrips Silver Spotted Skipper - Light to moderate infestations	3/4 – 1		
	Sitver Spotted Skipper - Moderate to severe infestations	1 – 1 1/2		
	Do not apply more than 4.5 pints of NUDRIN LV IN: Do not make more than 3 applications per crop.	SECTICIDE per acre per crop.		
Spinach	Alfalfa Looper Cabbage Looper Beet Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily temp. is 32° F, or Do not apply to seedlings less than 3° diameter. Do not apply more than 12 pints of NUDRIN LV INS Do not make more than 8 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	RE		
Sugar Beet	Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstriped Armyworm*	3/4 - 3	30 - Tops 21- Roots	48 hrs		
1	Variegated Cutworm 1 1/2					
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 10 applications per crop.  *Chemigation - NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation to control beet armyworm, aphids and western yellowstriped armyworm. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.					
Summer Squash* Including: Crookneck squash Straightneck squash Scallop squash Vegetable marrow Spaghetti squash Hyotan Cucuzza Hechima Chinese okra Bitter melon Balsam pear Balsam apple Chinese Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. – 1 day over 1 1/2 pt. – 3 days	48 hrs		
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 12 applications per crop.  * Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft find which is easily penetrated, and if seeds were harvested they would not germinate.					
Tangelo, Tangerine CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs		
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.					
Tobacco (Except shade)	Flea Beetle Homworm	3/4 - 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs		
	Loopers Aphids Tobacco Budworm Fall Armyworm	1 1/2				
	Do not apply more than 7.5 pints of NUDRIN LV INS Do not make more than 5 applications per crop.	ECTICIDE per acre per crop.				

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI	
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	1 1/2 - 3	1	48 hrs	
	Variegated Cutworm	1 1/2		1	
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 16 applications per crop.  * For tomatillos do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 5 applications per crop.				
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle imgate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. fl.)		48 hrs	
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.  Do not graze or feed.				
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 - 1 1/2	7	48 hrs	
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop.  Do not make more than 4 applications per crop.  Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.  *Cereal leaf beetle: NUDRIN LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California.  **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).				

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **CONTAINER HANDLING:**

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefiliable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefiliable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip, Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip, Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Gapacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. To container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefiliable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefiliable container. Do not reuse or refiliable container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with NUDRIN LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container. Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

MOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam North America, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam North America, Inc. and Seller harmless for any claims relating to such factors.

Rotam North America, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam North America, Inc., and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ROTAM NORTH AMERICA, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, Rotam North America, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM NORTH AMERICA, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ROTAM NORTH AMERICA, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Rotam North America, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam North America, Inc.

Registered:04/05/2011

Manufactured for: ROTAM NORTH AMERICA, INC. 1400 NW 107th Avenue, Suite 310 Miami, FL 33172 1-866-927-6826

# MATERIAL TO BE ADDED TO JACKET

ion: Notification - PRI	V-98		
k all that apply			
new stamped accepted labe	Send to		
new CSF			
notification	CSC		
	new CSF		



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

JUN 1 6 2011

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Mr. Frank E. Sobotka, Ph.D Agent for Rotam Agrochemical Company Limited IPM Resources LLC 4032 Crockers Lake Blvd, Suite 818 Sarasota, FL 34238

Dear Mr. Sobotka:

The Agency is in receipt of the following Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10:

Product MFA

EPA Reg No 83100-27 Rotam Methomyl 29LV Insecticide Basic, Alternate Date 5/10/11

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The Confidential Statement of Formula (CSF) submitted with the application is considered "acceptable" and has been placed in our records.

If you have any questions, please contact me directly at 703-305-5335 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Paul Mastradone, Acting Leader

Notifications & Minor Formulations Team Leader

Registration Division (7505P) Office of Pesticide Programs

# \*Inert ingredient information may be entitled to confidential treatment

# IPM Resources LLC

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

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"an intellectual property management resource company"

May 10, 2011

### VIA UPS EXPRESS NDA

Hebert.John@epa.com [REF. **\*\*** 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency

U. S. Environmental Protection Agency Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501 ATTN: John Hebert PM 7/Tom Harris

ATTIVE CONTINUED CITE IN A TOTAL TICAL

SUBJECT: Notification of Alternate Source of an Inert Per PR Notice 98-10

Rotam Methomyl 29LV Insecticide 83100 - 27

Dear Mr Harris:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to add an Alternate Source for the Confidential Statement of Formula.

This Notification is being submitted consistant with the Provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1991 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This Notification is being requested to ensure production volumes of the product due to the uncertainty of supply and limited availability of the solvent from the Primary source of the product in the United States.

The following documents are enclosed with this submission:

Administrative Materials: (MRID No.: \_\_\_\_\_)

- Transmittal Form (EPA Form 8570-1)
- 3 Copies ea of the Revised Basic and Alternate CSF's.
- 1 Copy of the MSDS for New Source

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Senior Partner

IPM Resources LLC (Agent)

I words approved



<b>SEPA</b>	United State Environmental Protect Washington, DC	tion Agency		1	Registr Amend Other		OPP Identifier Number
	Applica	tion for Pesticide	Sect	ion	1		1
1. Company/Product Number Rotam Agroche		2. EPA Produ	ict Mene	_		3. P	roposed Classification
4. Company/Product (Name Rotam Methomyl 29L\		PM# 7					Notice Nestricia
5. Name and Address of Ap ROTAM Agrochemical Comp C/O IPM Resources LLC (Ag 4032 Crockers Lake Blvd., S Sarasota, FL 34238	pany Limited gent)		No				n FIFRA Section 3(c)(3) composition and labeling
		Section - II	airie				
Notification - Explain  Explanation: Use addition  Submission of Notification  Statement of Formula for	nel page(s) if necessary. (For second to add an Alternate Source of Rotam Methomyl 29LV Insection of the contained in the Transcription of the contained in the Transcription of the contained in the Transcription of the	a registered Inert for cide (83100-27). This Not	oncy lette Too Appler - Explain fication	pplice in be to is co on.	otion.  the Basic	JUI and Alten	
		Section - III				_	
1. Material This Product Wi	Be Peckaged In:	0001011					
Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaging Yas No If "Yes" Unit Packaging wgt. No. per		o. per ontainer		2. Type o	Metal Plestic Glass Paper Other (S	Specify)
3. Location of Net Contents		Retail Container pal, 2.5 gal, 15 gal, 55 gal,		S. Lo	cation of Le	bel Directi	ons
6. Menner in Which Label is	Affixed to Product	nograph per glued profed	Other	_			
		Section - IV					
1. Contact Point  Complete	items directly below for identifica	etion of individual to be con	tacted, if	f nec	essary, to p	rocess this	application.)
Name Frank E. Sobotka, Ph.I	D.	Title Agent				Telephon 215 49	e No. (Include Area Code) 7-9501
The second secon	Certif ments I have made on this form only knowlingly false or misleeding						6. Date Application Received (Stamped)

3. Title Agent

5. Date

May 10, 2011

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

Frank E. Sobotka, Ph.D.

	Product ingredient s		